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MEDART

Playground  
Apparatus

APR 27 1916  
PATENT OFFICE



GV  
426  
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1916

CATALOG W



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## Playground Apparatus CATALOG W

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**Fred Medart Manufacturing Co.**  
Saint Louis, Missouri







# FRED MEDART MANUFACTURING COMPANY

ESTABLISHED 1873

Manufacturers of  
Playground Apparatus  
Gymnasium Supplies  
Steel Lockers

*Received in Div 7 May 24, 1916  
L. S. Underwood*



DE KALB & POTOMAC  
STREETS  
SAINT LOUIS, MO.



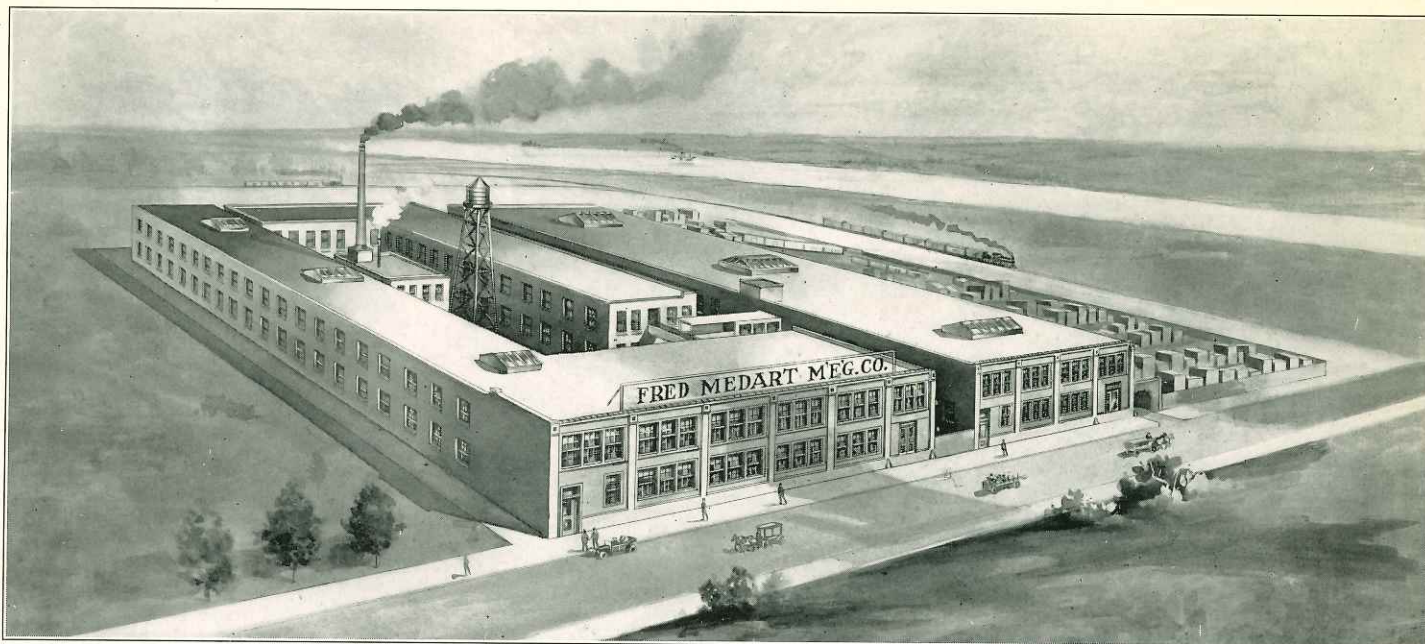


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FRED MEDART MFG. CO.  
SAINT LOUIS, MISSOURI







## WHAT IS QUALITY?

**W**HEN you get right down to it, What is Quality? Surely not showiness, and not costliness. Quality is fitness for the service desired. Genuine Quality has appearance in its favor also—not showiness, but the look of **reserve excellence**.

It isn't just good enough to get by if all goes well—it is there to meet the severest test you can put upon it. That is what we mean by **QUALITY**. Isn't that what you mean by it?

Price—as we view it—is a bottomless pit, its depth none can probe. But **quality** is an ascending scale—whose heights as yet no man has reached!

For forty years we have striven for it—the result to-day is **MEDART QUALITY**. In our facilities for buying the raw material and our equipment for manufacturing the various and in many cases the intricate apparatus, we have every advantage. The result is efficient factory conditions and economical production. The price is simply the lowest we can make consistent with Medart Quality.

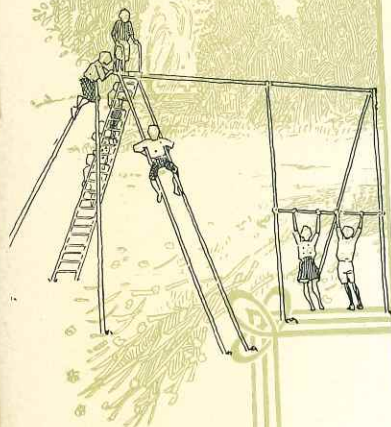
Quality in playground apparatus means safety for the children who use it and safeguards against liabilities. Every Public Playground must accept a legal as well as a moral responsibility to its community, and the best safeguard against accident of any sort is **strict adherence to Quality**.

Fred Medart Manufacturing Company





FRED MEDART  
SAINT LOUIS



## Which Price Shall We Pay?

**U**NLESS wholesome recreation is provided, unwholesome will be.

This is something we **know**—all of us—without any confirmation from distressing figures on juvenile delinquency. It would be folly to argue such a self-evident fact.

The artificial restriction put upon the children of cities comes directly home to the civic conscience because it is the city itself which deprives the child of its rightful environment. The child is helpless to remedy conditions for himself. Left unremedied, the city is helpless to cope with the future problems which come from thwarting the restless energies of youth in their spontaneous ebullition of play.

Repressing the human instinct for activity is stifling initiative and energy at their source.

Only the sub-normal child can come through such an experience uninjured—and shall we sacrifice our best citizen-material to a fancied necessity of industrial communities? There are four distinct ages in childhood and youth, every one of which is marked by budding faculties

which require but one thing for their fruitful development. That one thing is good wholesome **play opportunity**.

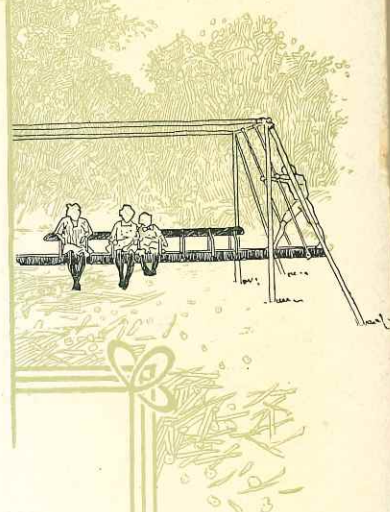
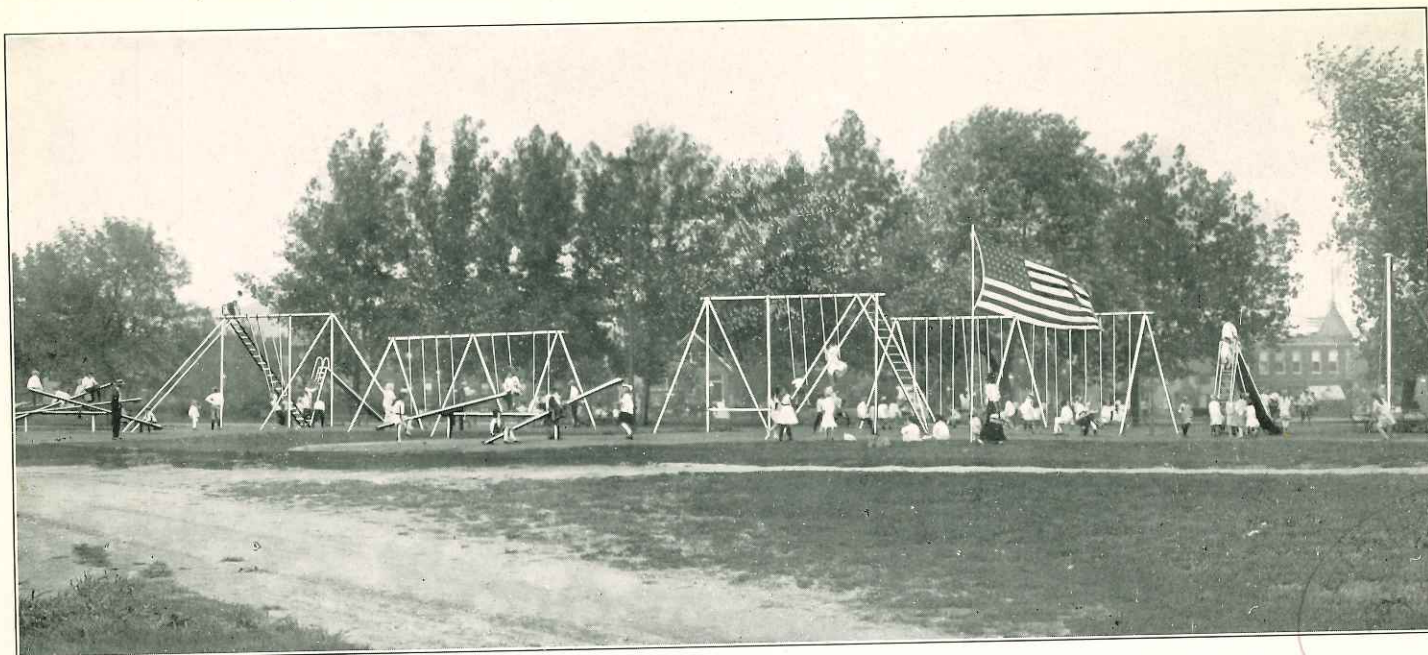
Private benevolence has done much, but the problem is one each city must solve in self-defense. Playgrounds are cheaper than municipal care for the delinquent, criminal and sick. The Playground Movement has made great strides in the last five years, but this fact still remains: **Not one large city in the country to-day has anything like adequate provision for the play-needs of its child-citizens.** Schools we have, but education without health is useless. Health demands spontaneous play—in the open air—vigorous physical exercise that gives the young body its only chance to develop into an efficient working machine.

The cost of Playgrounds sufficient to each city's needs will be barely one-half the yearly cost of policing criminals, if capitalized at five per cent. The cost of No Playgrounds, on the other hand, is an actual menace, leading to the loafer, the gangster and the ruffian element in our "Citizens of to-morrow."

As a question of cost, which price shall we pay?







## Planning a Playground

**I**F the Playground is a large one it is best always to provide separate equipment for boys and for girls, and sometimes separate equipment for the very small children. This distinction is not always essential, however, and if the funds are limited the same equipment can be shared by both boys and girls.

**For the Boys' Playground** we recommend the following: Gymnastic Outfit, Swings, See-Saws, Giant Strides, Revolving Parallels, Slides, Horizontal Ladders, Basket Ball, Horse, Buck, Parallel Bar, Jumping Standards and Playground Base Ball.

**For the Girls' Playground** we recommend: Gymnastic Outfit, Self-propelling Swings, See-Saws, Giant Strides, Slides, Rock-a-bye Swings, Sand Bins and Games.

The order named suggests the relative importance of each piece of apparatus, so that in case the complete equipment cannot be installed at once, the most judicious selection can be made and other pieces added from time to time. Far better to start with modest equipment than to deprive the children of their sport until the

full installation can be made. The simplest of playgrounds is better than none at all.

In selecting Gymnastic Outfits note their wide variety, to fit all needs, some particularly suited for boys, some for girls, and special combinations designed for serving both the boys and girls.

Any assistance we can render in the matter of selection is free for the asking. Whenever in doubt as to the apparatus which would prove most practical for special purposes, simply send us a rough sketch or plan of the field, and we will draw plans of the outfits showing the best arrangement for any given equipment; or if you wish we will draw plans and suggest both equipment and arrangement. No obligation is incurred. We are in this work, we know playground needs thoroughly, and any assistance we can give prospective purchasers is cheerfully and freely rendered.

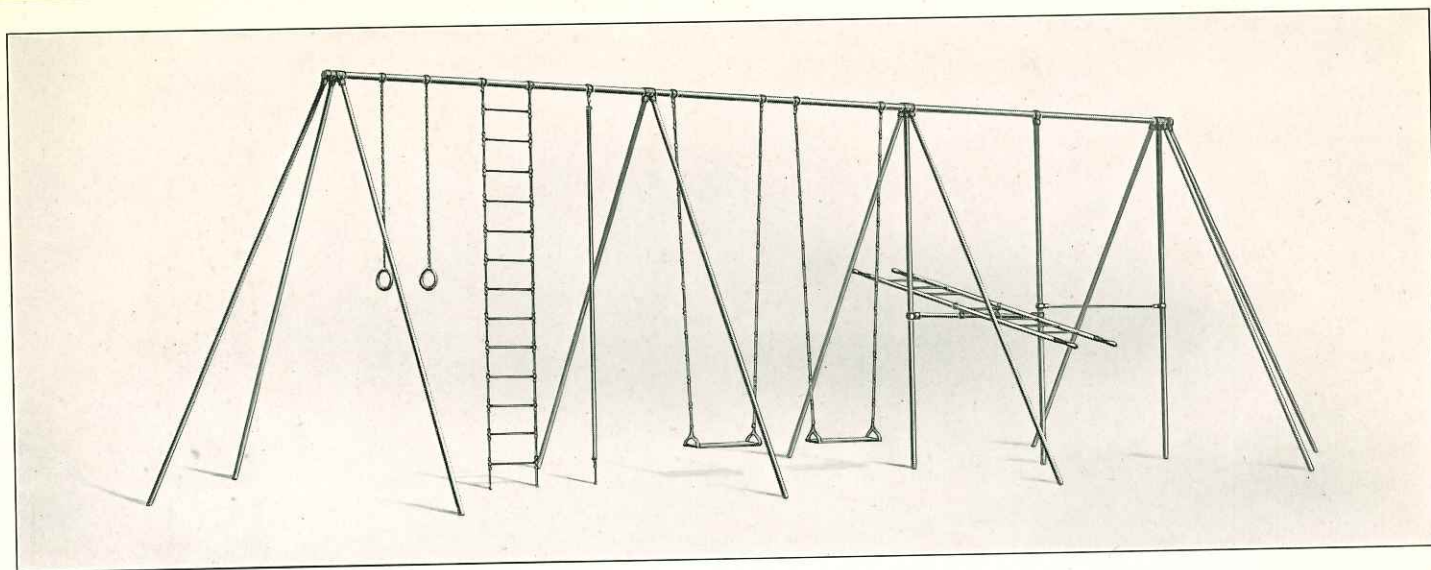
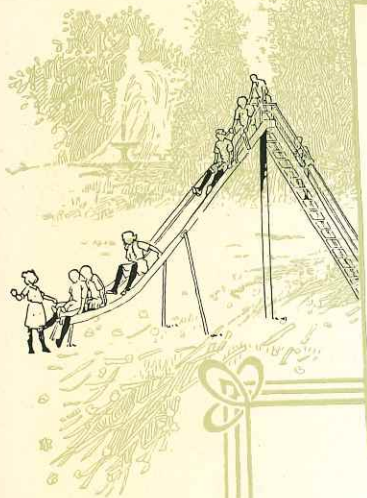
In Gymnasium and Playground problems we are specialists and our suggestions are dictated by an experience of more than forty years.







FRED MEDART  
SAINT LOUIS



## Gymnastic Outfit No. 370W

*A Combination for Boys and Girls*

This Outfit Requires a Ground Space of 51x16 feet.

The Frame is 14 feet High.

### THE COMPLETE OUTFIT CONSISTS OF

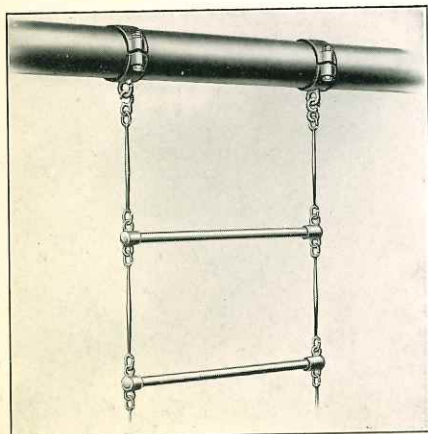
APPARATUS	FRAME FITTINGS	FRAME FITTINGS
1 Pr. No. 717W Flying Rings.	1 No. 22W Fitting.	13 No. 31W Flanges.
1 No. 716W Flexible Ladder.	2 No. 23W Fittings.	<b>PIPE</b>
1 No. 714W Climbing Pole.	2 No. 24W Fittings.	1 Piece 3"x36' 0"
2 No. 489W Swings.	2 No. 25W Fittings.	3 Pieces 2"x17' 0"
1 No. 583W Teeter Ladder.	2 No. 28W Fittings.	10 Pieces 2"x18' 0"
1 No. 712W Horizontal Bar.	1 No. 37W Coupling.	1 Piece 3"x 6' 0"

1 set No. 371W Apparatus and frame fittings (no pipe).....	\$110.00
1 set No. 372W Pipe for frame.....	87.50

Complete outfit No. 370W.....\$197.50

Approximate shipping weights: Apparatus and frame fittings.....	550 pounds
Pipe.....	950 pounds

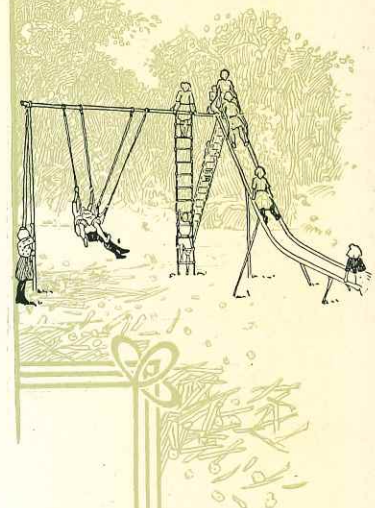
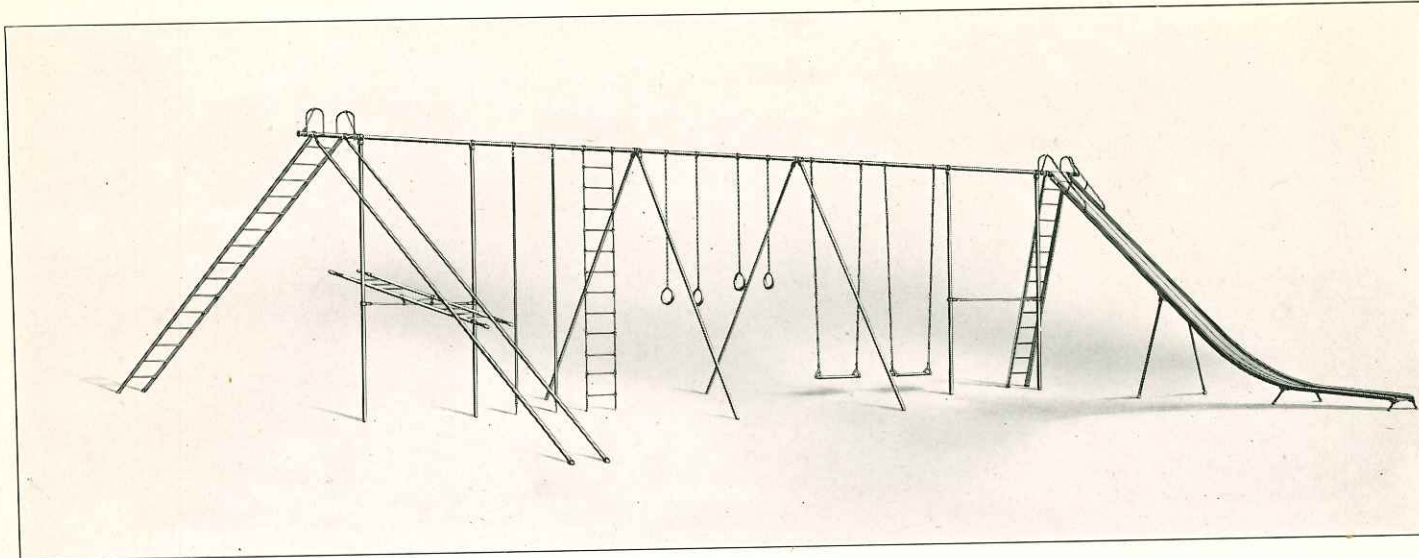
Complete specifications of apparatus and pipe are given on pages 42, 43 and 47.



ALL Gymnastic Outfits are standard 14 feet high. Higher frames we do not recommend. Alterations can be made in any standard gymnastic outfit if necessary to suit peculiar conditions. These standard outfits are the result of long experience and have been tested extensively under many conditions and found entirely practical. They also represent the utmost economy in amount of pipe required for the frame.







## Gymnastic Outfit No. 380W

*A Combination for Boys and Girls*

This Outfit Requires a Ground Space of 49x36 feet.

The Frame is 14 feet High.

### THE COMPLETE OUTFIT CONSISTS OF

#### APPARATUS

- 1 No. 706W Inclined Ladder.
- 1 Pr. No. 708W Inclined Sliding Poles.
- 1 Pr. No. 710W A. H. Guard Rails.
- 1 No. 583W Teeter Ladder.
- 2 No. 714W Climbing Poles.
- 1 No. 716W Flexible Ladder.
- 2 Pr. No. 717W Flying Rings.
- 2 No. 489W Swings.
- 1 No. 712W Horizontal Bar.

#### APPARATUS

- 1 No. 707W Vertical Ladder.
- 1 No. 701W Long Slide.
- 1 Pr. No. 702W L. S. Guard Rails.

#### FRAME FITTINGS

- 3 No. 21W Fittings.
- 2 No. 22W Fittings.
- 1 No. 23W Fitting.
- 2 No. 24W Fittings.
- 2 No. 29W Caps.

#### FRAME FITTINGS

- 6 No. 31W Flanges.
- 2 No. 32W Flanges.
- 2 No. 37W Couplings.

#### PIPE

- 1 Piece 3"x48' 6"
- 2 Pieces 3"x17' 0"
- 1 Piece 3"x 6' 0"
- 2 Pieces 2"x17' 0"
- 4 Pieces 2"x18' 0"

1 set No. 381W Apparatus and frame fittings (no pipe).....	\$314.00
1 set No. 382W Pipe for frame.....	80.00

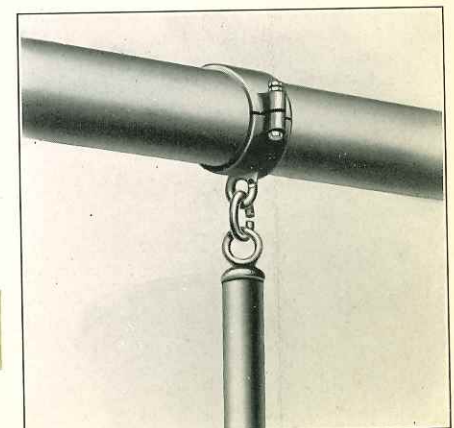
Complete outfit No. 380W.....\$394.00

Approximate shipping weights: Apparatus and frame fittings.....	2000 pounds
Pipe.....	1000 pounds

Complete specifications of apparatus and pipe are given on pages 42, 43 and 47.



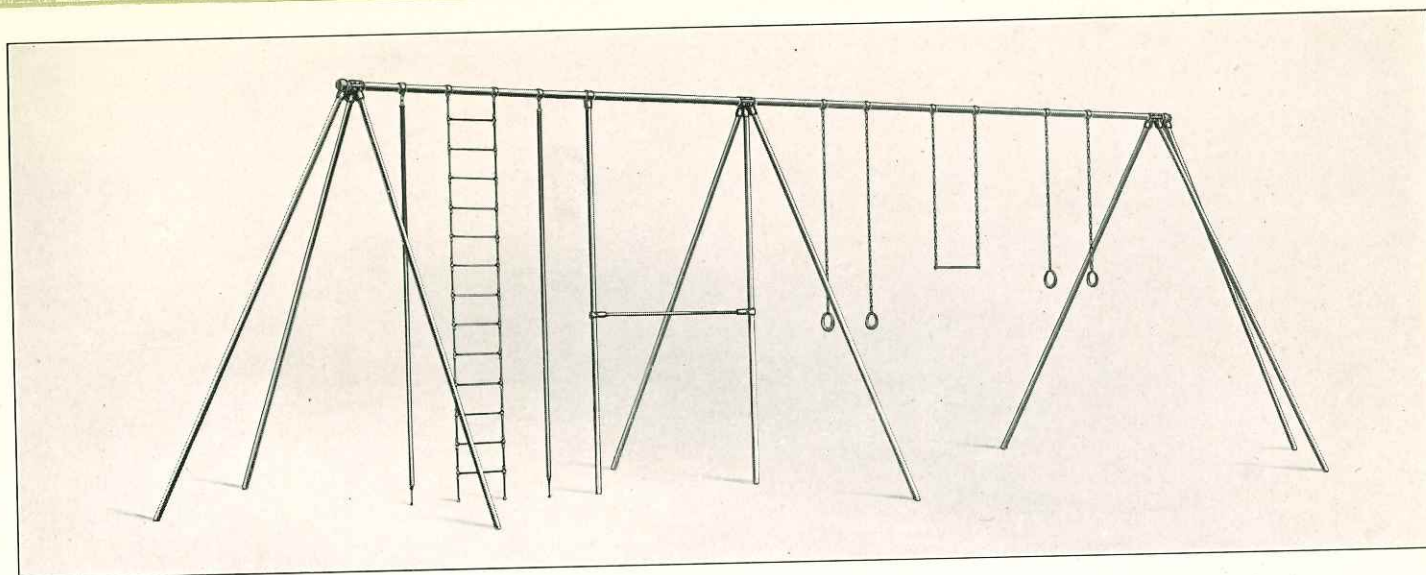
**S**EAMLESS Steel Tubing, hot galvanized, is used for all Climbing Poles. The advantages of this construction justify its slightly higher cost. Ground anchors which prevent swinging are provided for all poles, so attached that the poles can be removed for storage during the winter months.







FRED MEDART  
SAINT LOUIS



## Gymnastic Outfit No. 390W

*Particularly Suited for Boys*

This Outfit Requires a Ground Space of 46x16 feet.

The Frame is 14 feet High.

### THE COMPLETE OUTFIT CONSISTS OF

#### APPARATUS

- 2 No. 714W Climbing Poles.
- 1 No. 716W Flexible Ladder.
- 1 No. 712W Horizontal Bar.
- 2 Pr. No. 717W Flying Rings.
- 1 No. 720W Trapeze.

#### FRAME FITTINGS

- 1 No. 22W Fitting.
- 2 No. 24W Fittings.
- 1 No. 25W Fitting.
- 2 No. 28W Fittings.
- 10 No. 31W Flanges.

#### FRAME FITTINGS

- 1 No. 37W Coupling.

#### PIPE

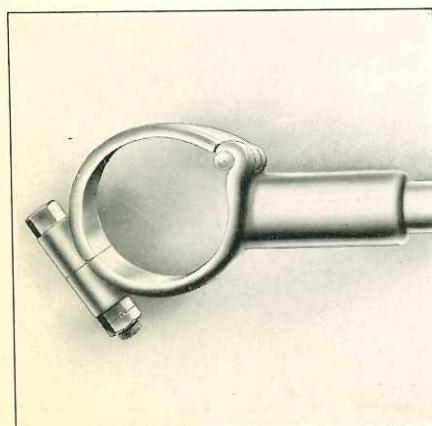
- 1 Piece 3"x31' 0"
- 2 Pieces 2"x17' 0"
- 8 Pieces 2"x18' 0"

1 set No. 391W Apparatus and frame fittings (no pipe).....	\$ 82.50
1 set No. 392W Pipe for frame.....	66.50

Complete outfit No. 390W.....\$149.00

Approximate shipping weights: Apparatus and frame fittings.....400 pounds  
Pipe.....700 pounds

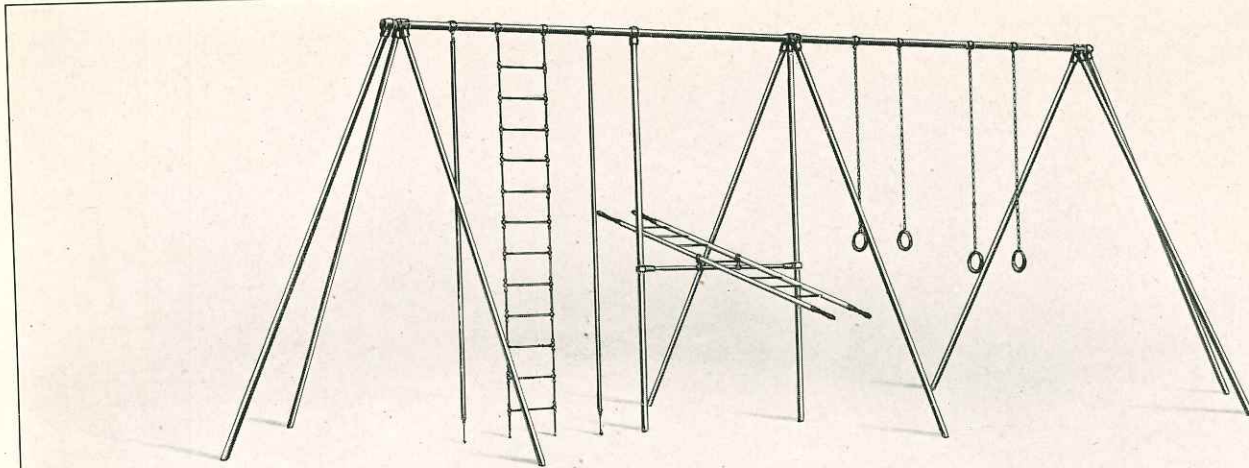
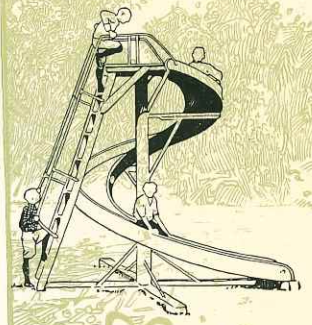
Complete specifications of apparatus and pipe are given on pages 42, 43 and 47.



**H**ORIZONTAL Bars are made of crucible steel  $1\frac{1}{8}$  inches diameter and 6 feet in length. They are provided with bar ends which give rigid security, since they cannot be changed in adjustment without a wrench. Bar ends which are too rapidly adjustable are also too readily broken and thus entail a needless risk. With rigid bar ends, all likelihood of danger is eliminated. The crucible steel used in the construction of these Horizontal Bars increases their elasticity and at the same time safeguards against bending or sagging.







## Gymnastic Outfit No. 800W

*Particularly Suited for Girls*

This Outfit Requires a Ground Space of 41x16 feet.

The Frame is 14 feet High.

### THE COMPLETE OUTFIT CONSISTS OF

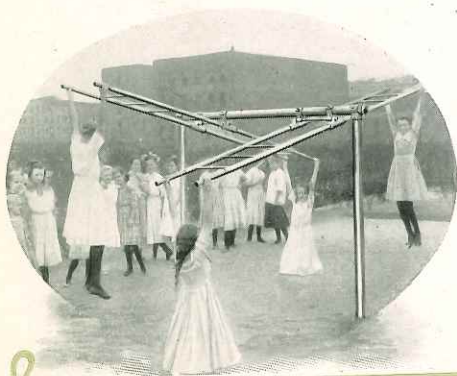
- APPARATUS**
- 2 No. 714W Climbing Poles.
  - 1 No. 716W Flexible Ladder.
  - 1 No. 583W Teeter Ladder.
  - 2 Pr. No. 717W Flying Rings.
- FRAME FITTINGS**
- 1 No. 22W Fitting.

- FRAME FITTINGS**
- 2 No. 23W Fittings.
  - 2 No. 24W Fittings.
  - 1 No. 25W Fitting.
  - 2 No. 28W Fittings.
  - 10 No. 31W Flanges.
  - 1 No. 37W Coupling.

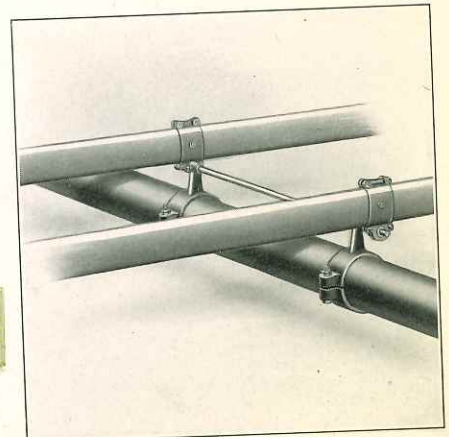
- PIPE**
- 1 Piece 3"x26' 0"
  - 1 Piece 3"x 6' 0"
  - 2 Pieces 2"x17' 0"
  - 8 Pieces 2"x18' 0"

1 set No. 801W Apparatus and frame fittings (no pipe).....	\$ 96.00
1 set No. 802W Pipe for frame.....	67.75
Complete outfit No. 800W.....	\$163.75
Approximate shipping weights: Apparatus and frame fittings.....	430 pounds
Pipe.....	725 pounds

Complete specifications of apparatus and pipe are given on pages 42, 43 and 47.



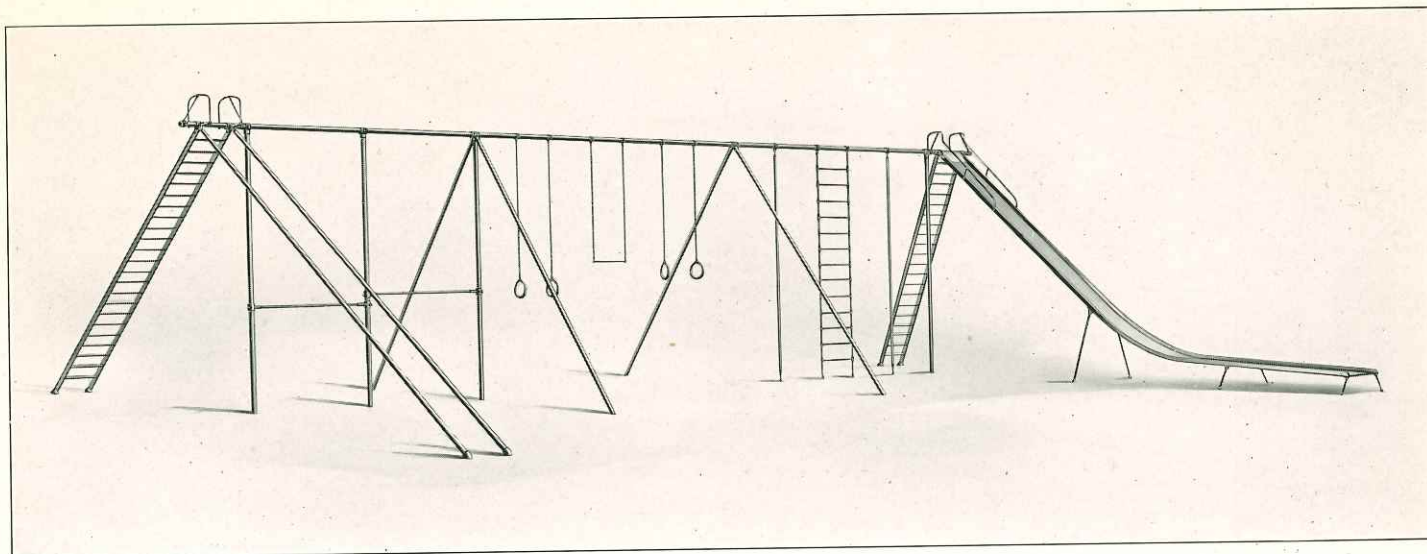
**P**ROTECTION from deterioration through rust is secured by thorough galvanization of every iron part of Medart Playground Apparatus, including even the bolts and nuts, thus insuring long life under the most exposed conditions. Frame fittings and all parts demanding strength are made of malleable iron, since the annealing process which malleable undergoes renders it practically unbreakable.







FRED MEDART  
SAINT LOUIS



## Gymnastic Outfit No. 810W

*Particularly Suited for Boys*

This Outfit Requires a Ground Space of 43x36 feet.

The Frame is 14 feet High.

### THE COMPLETE OUTFIT CONSISTS OF

#### APPARATUS

- 1 No. 706W Inclined Ladder.
- 1 Pr. No. 708W Inclined Sliding Poles.
- 1 Pr. No. 710W A. H. Guard Rails.
- 2 No. 712W Horizontal Bars.
- 2 Pr. No. 717W Flying Rings.
- 1 No. 720W Trapeze.
- 2 No. 714W Climbing Poles.
- 1 No. 716W Flexible Ladder.
- 1 No. 707W Vertical Ladder.

#### APPARATUS

- 1 No. 701W Long Slide.
- 1 Pr. No. 702W L. S. Guard Rails.

#### FRAME FITTINGS

- 2 No. 21W Fittings.
- 1 No. 22W Fitting.
- 1 No. 24W Fitting.
- 1 No. 25W Fitting.
- 2 No. 29W Caps.

#### FRAME FITTINGS

- 6 No. 31W Flanges.
- 2 No. 32W Flanges.
- 2 No. 37W Couplings.

#### PIPE

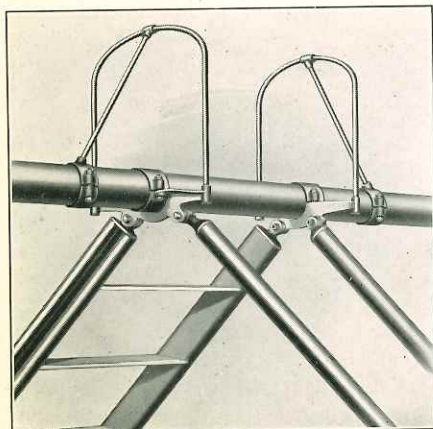
- 1 Piece 3"x42' 6"
- 2 Pieces 3"x17' 0"
- 2 Pieces 2"x17' 0"
- 4 Pieces 2"x18' 0"

1 set No. 811W Apparatus and frame fittings (no pipe).....	\$279.00
1 set No. 812W Pipe for frame.....	72.50

Complete outfit No. 810W.....\$351.50

Approximate shipping weights: Apparatus and frame fittings.....	1850 pounds
Pipe.....	850 pounds

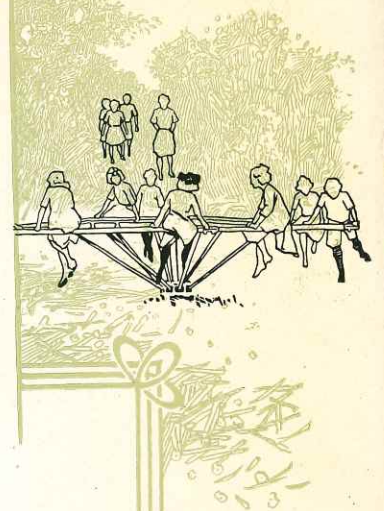
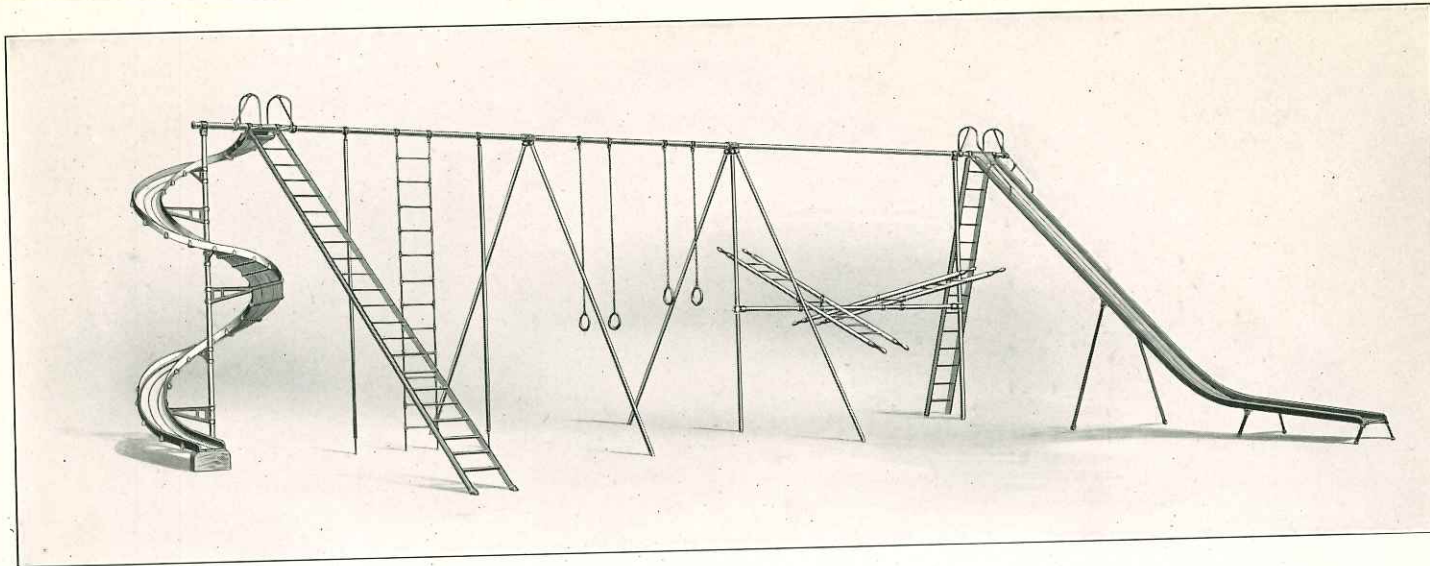
Complete specifications of apparatus and pipe are given on pages 42, 43 and 47.



THESE ladders are fitted at the top with guard rails used to facilitate passing over the ladder on the sliding poles. All apparatus, and especially apparatus for children's use, should be most scrupulous in construction and equipment so that every possible safeguard is used to protect the children from any imaginable accident. Not only in materials used but in details of construction Medart Conscience emphasizes Medart Quality.







## Gymnastic Outfit No. 820W

*Particularly Suited for Girls*

This Outfit Requires a Ground Space of 45x32 feet.

The Frame is 14 feet High.

### THE COMPLETE OUTFIT CONSISTS OF

#### APPARATUS

- 1 No. 706W Inclined Ladder.
- 1 No. 726W Spiral Slide.
- 1 Pr. No. 727W S. S. Guard Rails.
- 2 No. 714W Climbing Poles.
- 1 No. 716W Flexible Ladder.
- 2 Pr. No. 717W Flying Rings.
- 2 No. 583W Teeter Ladders.
- 1 No. 707W Vertical Ladder.
- 1 No. 701W Long Slide.

#### APPARATUS

- 1 Pr. No. 702W L. S. Guard Rails.

#### FRAME FITTINGS

- 3 No. 21W Fittings.
- 1 No. 23W Fitting.
- 1 No. 24W Fitting.
- 1 No. 25W Fitting.
- 2 No. 29W Caps.
- 5 No. 31W Flanges.

#### FRAME FITTINGS

- 2 No. 32W Flanges.
- 1 No. 37W Coupling.

#### PIPE

- 1 Piece 3"x41' 0"
- 2 Pieces 3"x17' 0"
- 1 Piece 3"x12' 0"
- 1 Piece 2"x17' 0"
- 4 Pieces 2"x18' 0"

1 set No. 821W Apparatus and frame fittings (no pipe).....	\$540.00
1 set No. 822W Pipe for frame .....	75.00

Complete outfit No. 820W.....\$615.00

Approximate shipping weights: Apparatus and frame fittings.....2850 pounds  
Pipe.....900 pounds

Complete specifications of apparatus and pipe are given on pages 42, 43 and 47.



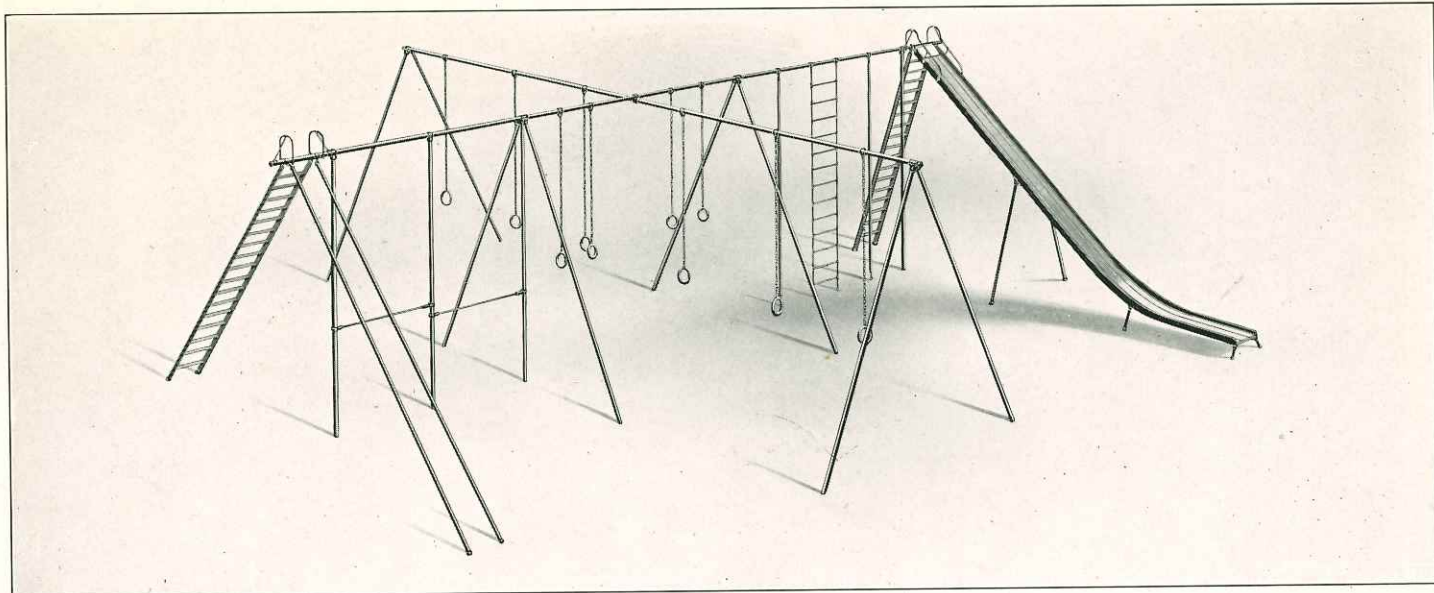
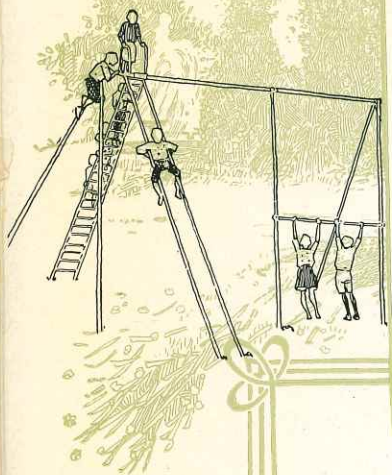
**T**HE supports for all flying and traveling rings are made of galvanized safety chain, actually tested for a tensile strength of 2,500 pounds. All of our apparatus is given ample strain test in order to reduce to the minimum any possibility of accident. Our rings are of hollow aluminum ware, properly shaped for a comfortable grip, exceedingly light, but strong and absolutely free from danger of rust. For attaching the chains to the frame, our standard roller bearing fitting is used, as described on page 14.







FRED MEDART  
SAINT LOUIS



## Gymnastic Outfit No. 830W

*Particularly Suited for Boys*

This Outfit Requires a Ground Space of 43x40 feet.

The Frame is 14 feet High.

### THE COMPLETE OUTFIT CONSISTS OF

#### APPARATUS

- 1 No. 706W Inclined Ladder.
- 1 Pr. No. 708W Inclined Sliding Poles.
- 1 Pr. No. 710W A. H. Guard Rails.
- 2 No. 712W Horizontal Bars.
- 2 Pr. No. 717W Flying Rings.
- 6 No. 718W Traveling Rings.
- 2 No. 714W Climbing Poles.
- 1 No. 716W Flexible Ladder.
- 1 No. 707W Vertical Ladder.
- 1 No. 701W Long Slide.

#### APPARATUS

- 1 Pr. No. 702W L. S. Guard Rails.

#### FRAME FITTINGS

- 2 No. 21W Fittings.
- 1 No. 22W Fitting.
- 3 No. 24W Fittings.
- 1 No. 25W Fitting.
- 1 No. 27W Fitting.
- 4 No. 29W Caps.

#### FRAME FITTINGS

- 10 No. 31W Flanges.
- 2 No. 32W Flanges.
- 3 No. 37W Couplings.

#### PIPE

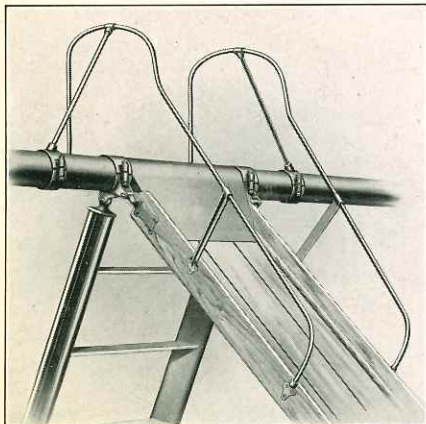
- 1 Piece 3"x42' 6"
- 1 Piece 3"x40' 0"
- 2 Pieces 3"x17' 0"
- 2 Pieces 2"x17' 0"
- 8 Pieces 2"x18' 0"

1 set No. 831W Apparatus and frame fittings (no pipe)	\$314.00
1 set No. 832W Pipe for frame	115.00

Complete outfit No. 830W.....\$429.00

Approximate shipping weights: Apparatus and frame fittings.....2000 pounds  
Pipe.....1350 pounds

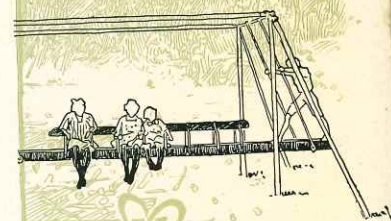
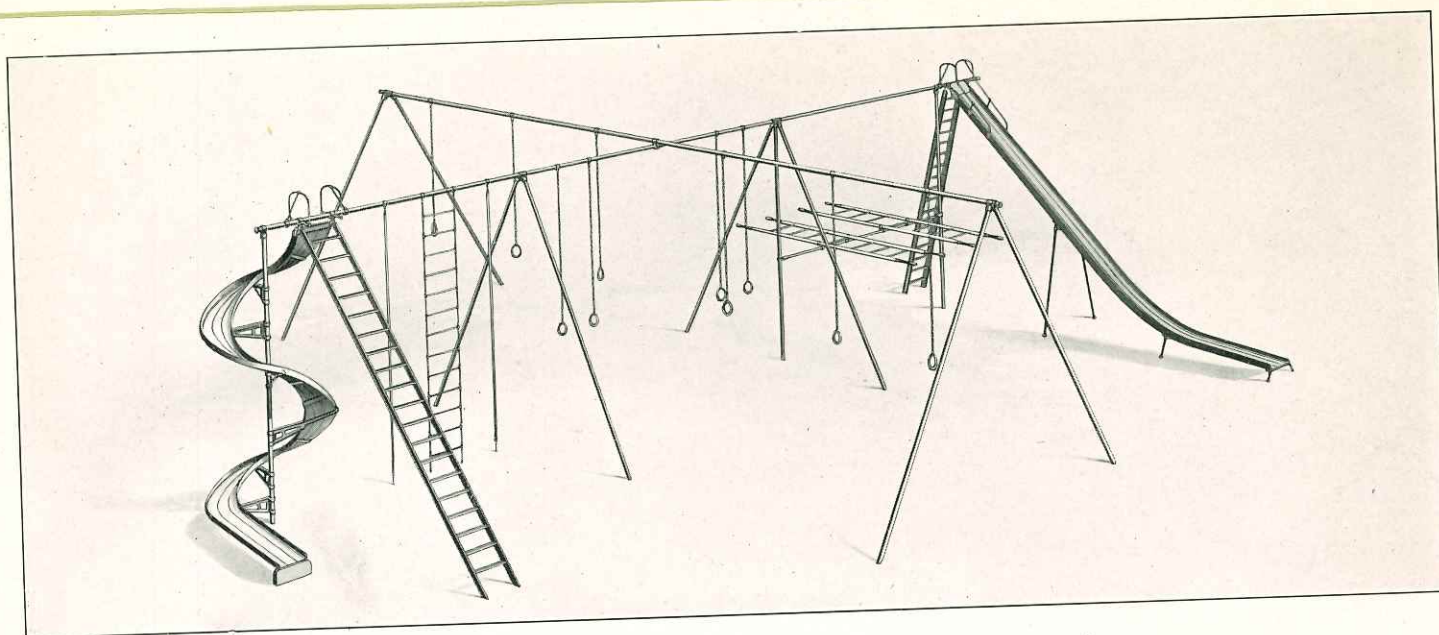
Complete specifications of apparatus and pipe are given on pages 42, 43 and 47.



**W**E use the wooden slides BECAUSE: Metal covered slides, which we originated, proved short-lived under actual test, the galvanizing wearing off after a few months' use and exposing the slide to rust and deterioration. Copper covering is not practical unless a heavy gauge is used, and then the expense is prohibitive. We, therefore, perfected a slide of rock maple, ingeniously constructed, so that it cannot warp or crack. Nor will it absorb excessive heat under summer sun.







## Gymnastic Outfit No. 840W

*Particularly Suited for Girls*

This Outfit Requires a Ground Space of 50x45 feet.

The Frame is 14 feet High.

### THE COMPLETE OUTFIT CONSISTS OF

#### APPARATUS

- 1 No. 726W Spiral Slide.
- 1 No. 706W Inclined Ladder.
- 1 Pr. No. 727W S. S. Guard Rails.
- 2 No. 714W Climbing Poles.
- 1 No. 716W Flexible Ladder.
- 2 Pr. No. 717W Flying Rings.
- 6 No. 718W Traveling Rings.
- 2 No. 583W Teeter Ladders.
- 1 No. 701W Long Slide.
- 1 No. 707W Vertical Ladder.

#### APPARATUS

- 1 Pr. No. 702W L. S. Guard Rails.

#### FRAME FITTINGS

- 3 No. 21W Fittings.
- 1 No. 23W Fitting.
- 3 No. 24W Fittings.
- 1 No. 25W Fitting.
- 1 No. 27W Fitting.
- 4 No. 29W Caps.
- 9 No. 31W Flanges.

#### FRAME FITTINGS

- 2 No. 32W Flanges.
- 3 No. 37W Couplings.

#### PIPE

- 1 Piece 3"x46' 0"
- 1 Piece 3"x40' 0"
- 2 Pieces 3"x17' 0"
- 1 Piece 3"x12' 0"
- 1 Piece 2"x17' 0"
- 8 Pieces 2"x18' 0"

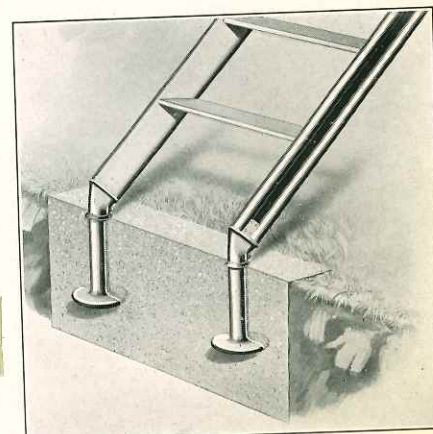
1 set No. 841W Apparatus and frame fittings (no pipe)	\$580.00
1 set No. 842W Pipe for frame	118.00
<b>Complete outfit No. 840W</b>	<b>\$698.00</b>

Approximate shipping weights: Apparatus and frame fittings	3000 pounds
Pipe	1475 pounds

Complete specifications of apparatus and pipe are given on pages 42, 43 and 47.



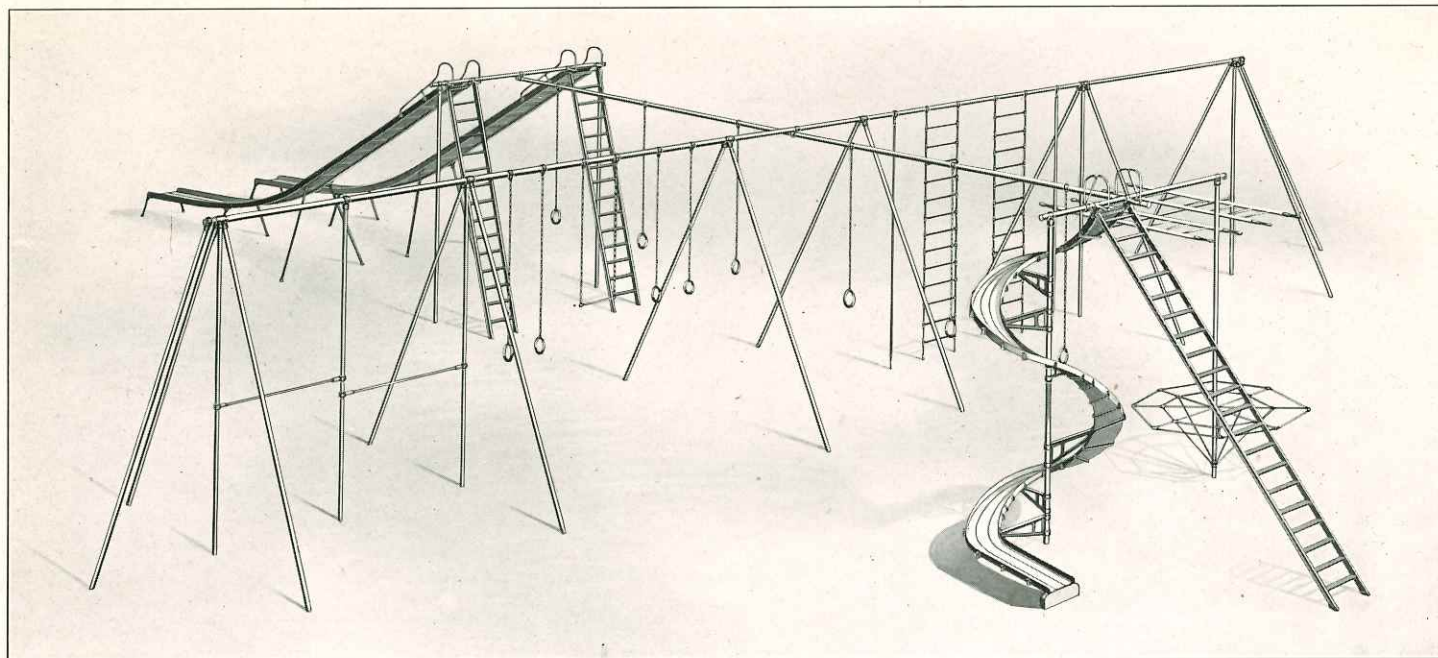
**T**HE ground anchors to which such apparatus as sliding Poles, long slides and ladders, are bolted, make it possible to take down all such apparatus when the season is over and store it for the winter out of all danger of deterioration or damage from hard weather conditions. The advantage of our ground anchor construction, instead of the old style method of embedding the apparatus directly in the permanent concrete foundation, will appeal to every director and careful manager.







FRED MEDART  
SAINT LOUIS



## Gymnastic Outfit No. 850W

### *A Combination for Boys and Girls*

**This Outfit Requires a Ground Space of 78x76 feet.**

The Frame is 14 feet High.

THE COMPLETE OUTFIT CONSISTS OF

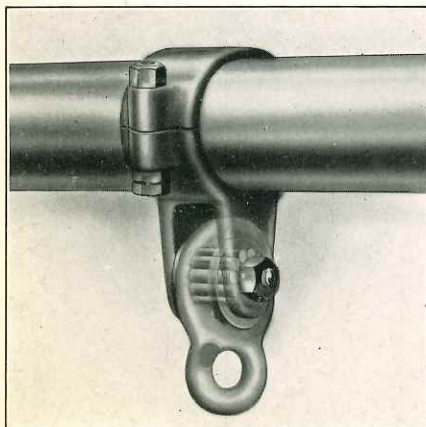
APPARATUS		APPARATUS		FRAME FITTINGS		PIPE	
1	No. 719W Revolving Parallels.	2	No. 716W Flexible Ladders.	2	No. 23W Fittings.	1	Piece 3"x63' 0"
1	No. 726W Spiral Slide.	6	No. 718W Traveling Rings.	2	No. 24W Fittings.	1	Piece 3"x40' 0"
1	No. 706W Inclined Ladder.	2 Pr.	No. 717W Flying Rings.	4	No. 25W Fittings.	1	Piece 3"x15' 0"
1 Pr.	No. 727W S. S. Guard Rails.	1	No. 720W Trapeze.	3	No. 27W Fittings.	1	Piece 3"x10' 0"
2	No. 701W Long Slides.	2	No. 712W Horizontal Bars.	2	No. 28W Fittings.	1	Piece 3"x12' 0"
2	No. 707W Vertical Ladders.			6	No. 29W Caps.	3	Pieces 3"x17' 0"
2 Pr.	No. 702W A. H. Guard Rails.		FRAME FITTINGS	19	No. 31W Flanges.	1	Piece 3"x19' 0"
2	No. 583W Teeter Ladders.		4 No. 21W Fittings.	4	No. 32W Flanges.	5	Pieces 2"x17' 0"
2	No. 714W Climbing Poles.		1 No. 22W Fitting.	4	No. 37W Couplings.	14	Pieces 2"x18' 0"

1 set No. 851W Apparatus and frame fittings (no pipe).....	\$ 860.00
1 set No. 852W Pipe for frame.....	210.00

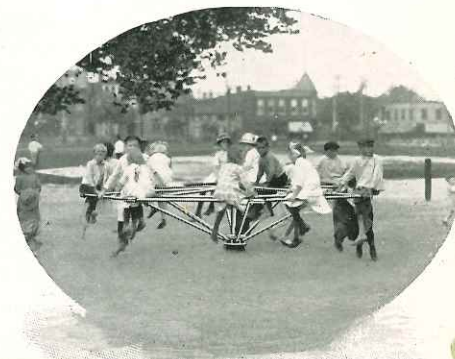
Complete outfit No. 850W .....	\$1070.00
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Approximate shipping weights: Apparatus and frame fittings . . . . . 5000 pounds  
Pipe . . . . . 2475 pounds

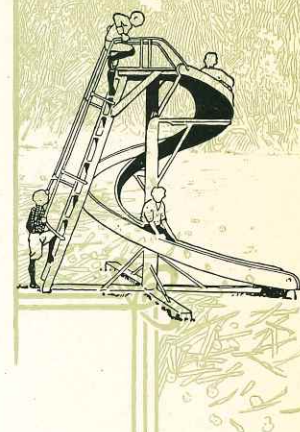
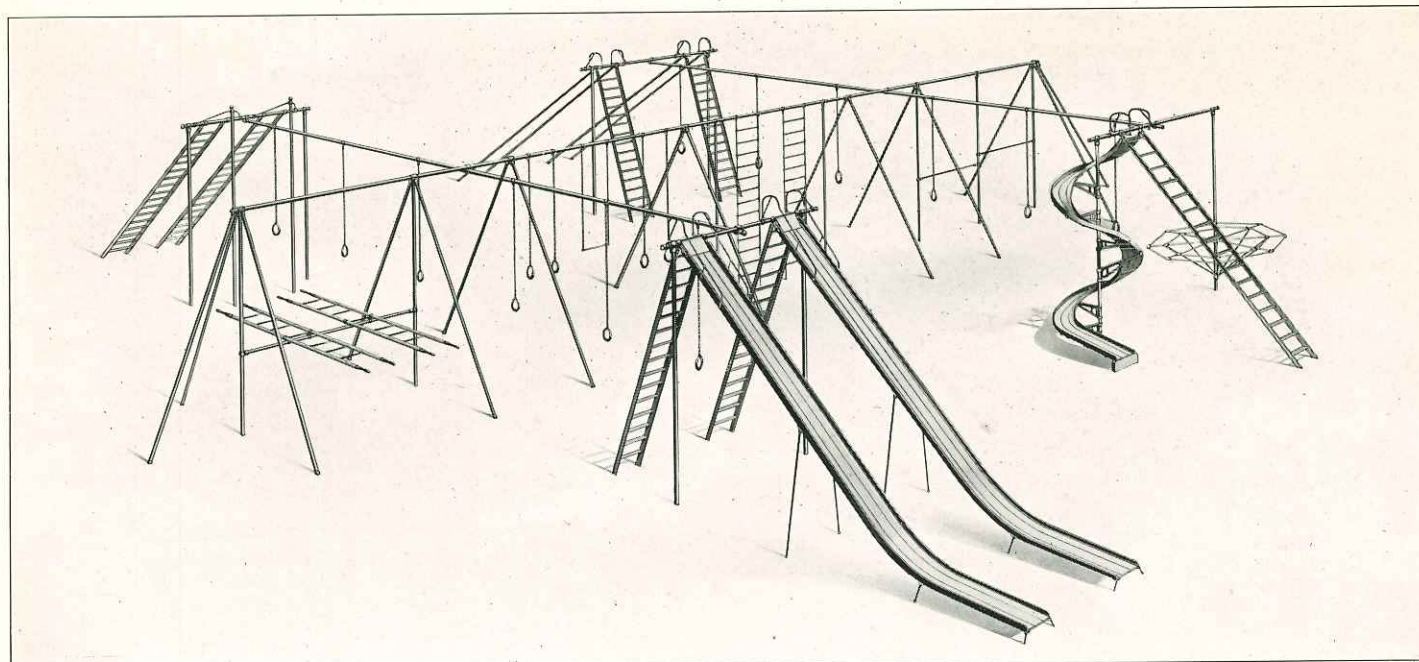
Complete specifications of apparatus and pipe are given on pages 42, 43 and 47.



**J**UST a roller bearing fitting! But do you know that the perfection of this point in Medart construction has cost us more experimenting than almost any other single part? Realizing the severe use to which the swinging fitting is subjected with all swings, flying rings and traveling rings, we did not consider our problem solved until we had worked out this roller bearing fitting with both rollers and shaft of hardened steel, which we could unconditionally guarantee under all conditions for a period of three years.







## Gymnastic Outfit No. 860W

*A Combination for Boys and Girls*

This Outfit Requires a Ground Space of 85x76 feet.

The Frame is 14 feet High.

### THE COMPLETE OUTFIT CONSISTS OF

APPARATUS	APPARATUS	FRAME FITTINGS	PIPE
2 No. 701W Long Slides.	1 No. 719W Revolving Parallels.	1 No. 22W Fitting.	1 Piece 3"x70' 0"
2 Pr. No. 702W L. S. Guard Rails.	12 No. 718W Traveling Rings.	2 No. 23W Fittings.	2 Pieces 3"x40' 0"
3 No. 706W Inclined Ladders.	2 No. 583W Teeter Ladders.	3 No. 24W Fittings.	3 Pieces 3"x10' 0"
4 No. 707W Vertical Ladders.	2 Pr. No. 717W Flying Rings.	4 No. 25W Fittings.	1 Piece 3"x15' 0"
2 Pr. No. 708W Inclined Sliding Poles.	1 No. 720W Trapeze.	6 No. 27W Fittings.	1 Piece 3"x12' 0"
2 No. 709W Vertical Sliding Poles.	2 No. 714W Climbing Poles.	2 No. 28W Fittings.	7 Pieces 3"x17' 0"
2 Pr. No. 710W A. H. Guard Rails.	2 No. 716W Flexible Ladders.	12 No. 29W Caps.	1 Piece 3"x19' 0"
2 Pr. No. 711W I. H. Guard Rails.	2 No. 712W Horizontal Bars.	21 No. 31W Flanges.	5 Pieces 2"x17' 0"
1 No. 726W Spiral Slide.		8 No. 32W Flanges.	16 Pieces 2"x18' 0"
1 Pr. No. 727W S. S. Guard Rails.		5 No. 37W Couplings.	
	<b>FRAME FITTINGS</b>		
	8 No. 21W Fittings.		

1 set No. 861W Apparatus and frame fittings (no pipe).....	\$1150.00
1 set No. 862W Pipe for frame.....	295.00

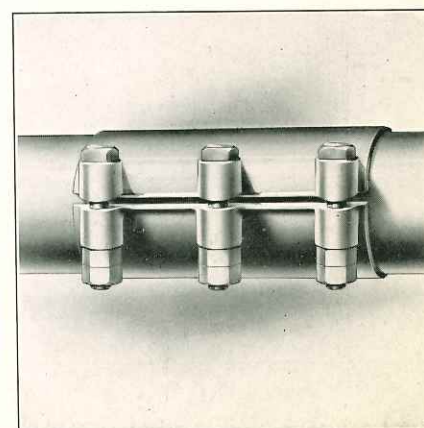
Complete outfit No. 860W.....\$1445.00

Approximate shipping weights: Apparatus and frame fittings.....6800 pounds  
Pipe.....3100 pounds

Complete specifications of apparatus and pipe are given on pages 42, 43 and 47.



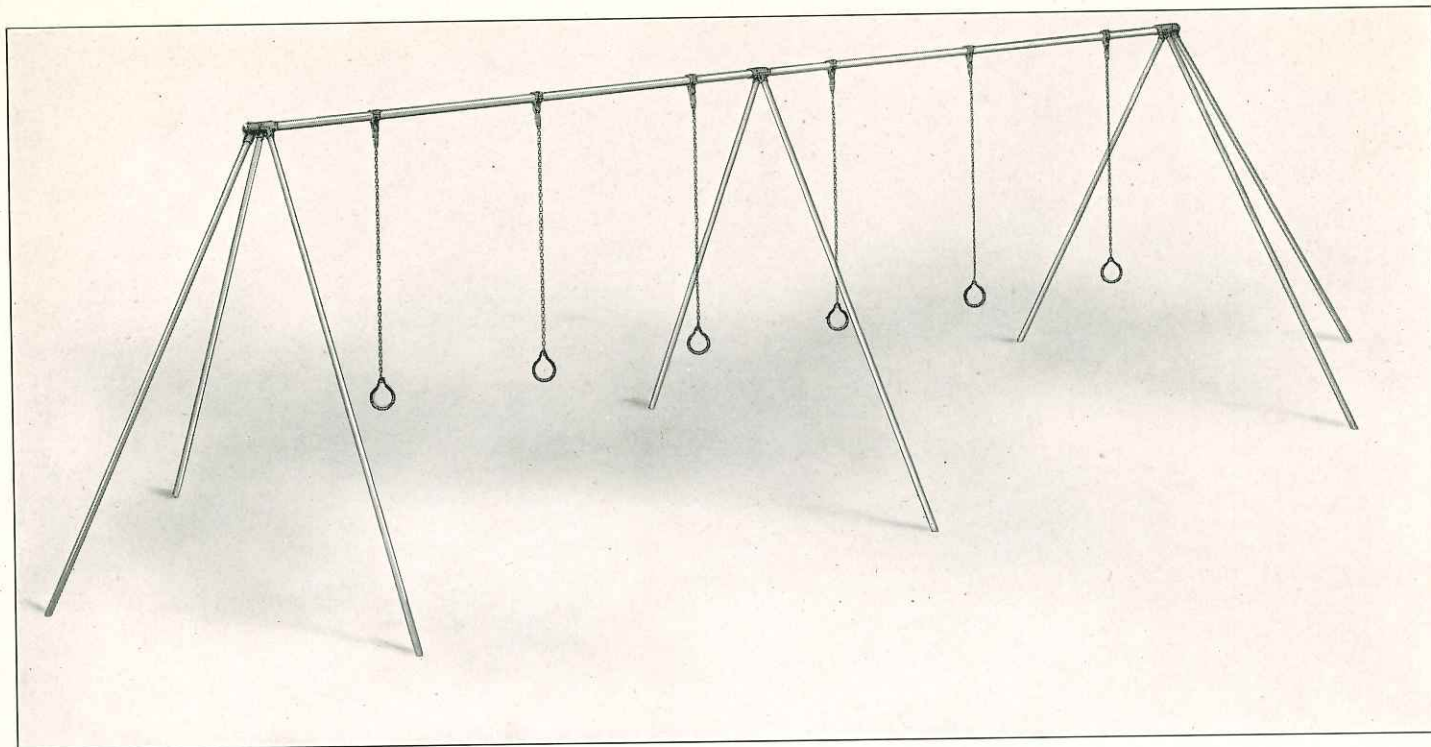
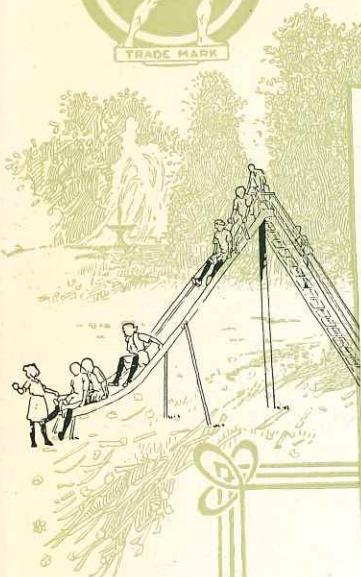
**A** SPECIAL pipe coupling which will not break is another and just a minor detail in Medart Equipment. Ordinary pipe couplings seem to be good enough—ordinarily. But in the course of our experience we had one such ordinary coupling break; immediately our engineers and mechanics concentrated on this problem until they solved it. Nor is this unbreakable pipe coupling the most distinguished improvement in Medart Frame Fittings. Others are illustrated on pages 44 and 45.







FRED MEDART  
SAINT LOUIS



## Traveling Ring Outfit No. 550W

*Suitable for Boys and Girls*

This Outfit Requires a Ground Space of 56x16 feet.

The Frame is 14 feet High.

### THE COMPLETE OUTFIT CONSISTS OF

1 set No. 551W Six traveling rings and frame fittings (no pipe).....	\$ 46.00
1 set No. 552W Pipe for frame.....	63.50
Complete outfit No. 550W.....	\$109.50
Approximate shipping weights: Six rings and frame fittings.....	200 pounds
Pipe.....	850 pounds

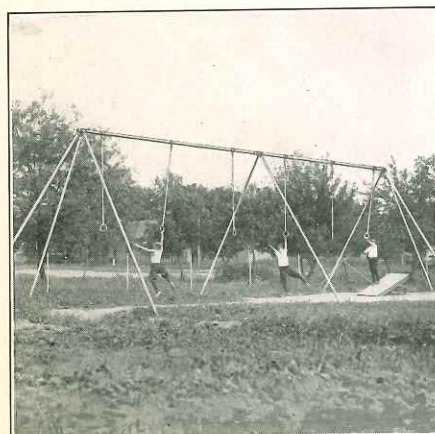
Complete specifications of apparatus and pipe are given on pages 42, 43 and 47.

The pipe for the frame consists of 1 piece 3"x40' 0"; 8 pieces 2"x18' 0".

The frame fittings consist of 3 No. 24W; 2 No. 28W; 1 No. 37W; 8 No. 31W.

The apparatus consists of 6 traveling rings.

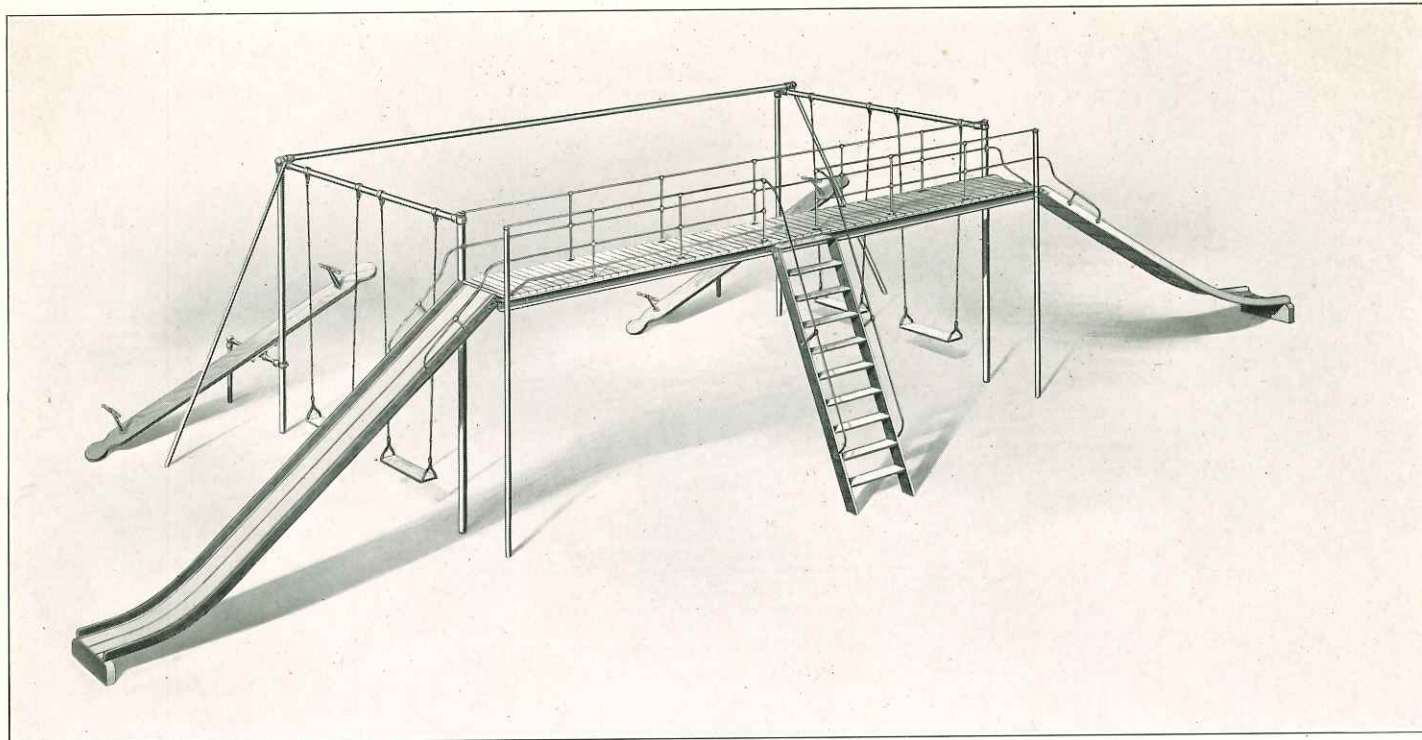
Several of the gymnastic outfits listed in preceding pages combine the traveling ring feature and when such outfits are installed there is no necessity for an independent traveling ring outfit. Gymnastic outfits in which traveling rings are not incorporated are often preferred for various reasons, and in such instances where traveling rings are still wanted Outfit No. 550W is the only alternative.



**E**DUCATORS know the value of training in self-confidence. It is possible to overcome timidity in a child through play scientifically directed. New courage and confidence come with improved physical development. Not only does the right equipment provide the means for exercise of skill and strength, but it contributes a training even more valuable—to give and take, win and lose, and yet preserve the feeling of comradeship and "love of the game", which makes for good citizenship.







## Park Play Station No. 485W

*Particularly Suited for Girls and Small Children*

This Outfit Requires a Ground Space of 46x18 feet.

The Frame is 10 feet High.

### THE COMPLETE OUTFIT CONSISTS OF

1 set No. 486W Apparatus and frame fittings (no pipe) .....	\$262.00
1 set No. 487W Pipe for frame .....	70.00
Complete outfit No. 485W .....	\$332.00

Approximate shipping weights: Apparatus and frame fittings .....	2150 pounds
Pipe .....	900 pounds

Complete specifications of apparatus and pipe are given on pages 42, 43 and 47.

The pipe for the frame consists of 1 piece 3"x19' 6"; 2 pieces 3"x10' 6"; 4 pieces 3"x13' 0"; 2 pieces 2"x13' 0"; 2 pieces 2"x13' 6"; 2 pieces 2"x2' 6"; 2 pieces 2"x4' 6".

The frame fittings consist of 4 No. 21W; 2 No. 22W; 2 No. 43W; 2 No. 27W; 2 No. 28W; 4 No. 29W; 2 No. 30W; 4 No. 32W; 6 No. 31W.

The apparatus consists of 2 slides with 20 foot platform, steps and guard rails; 4 No. 488W swings; 2 No. 493W see-saws.



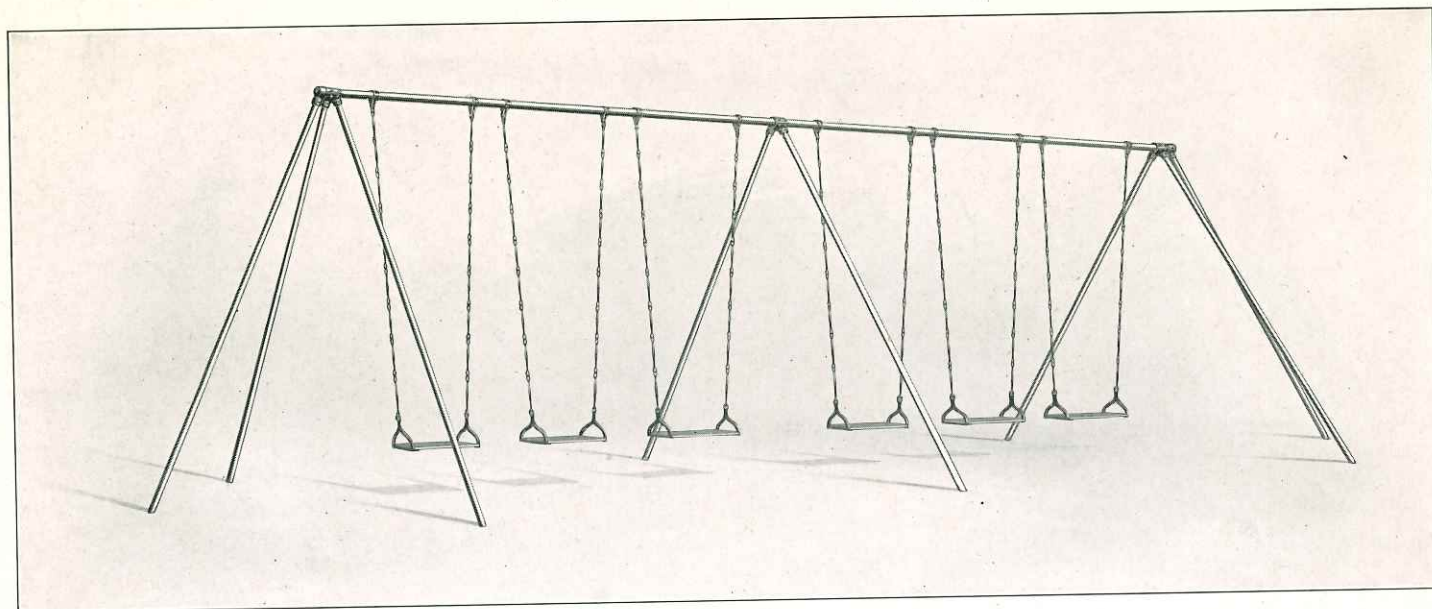
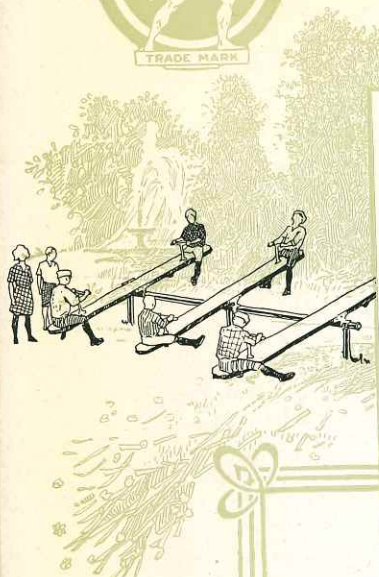
**T**HIS happy-thought combination of just the apparatus suited for girls and small children has grown in popularity rapidly—so rapidly, in fact, that the name "Park Play Station" used in the first emergency has never really had opportunity for change. This particular combination has been used largely by the United States Indian Schools—in fact, the Federal Government, with its rigid inspection, has been quick to approve the structural superiority of Medart Playground Apparatus and has employed it extensively.







FRED MEDART  
SAINT LOUIS



## Swing Outfit No. 470W

*Suitable for Boys and Girls*

This Outfit Requires a Ground Space of 46x14 feet.

The Frame is 30 feet Long and 12 feet High.

### THE COMPLETE OUTFIT CONSISTS OF

1 set No. 471W Six swings and frame fittings (no pipe).....	\$ 70.00
1 set No. 472W Pipe for frame.....	52.75
Complete outfit No. 470W.....	\$122.75
Approximate shipping weights: Six swings and frame fittings.....	350 pounds
Pipe.....	900 pounds

The pipe for the frame consists of 1 piece 3"x30' 0"; 8 pieces 2"x16' 0".

The frame fittings consist of 3 No. 24W; 2 No. 28W; 1 No. 37W; 8 No. 31W.

Complete specifications of apparatus and pipe are given on pages 42, 43 and 47.

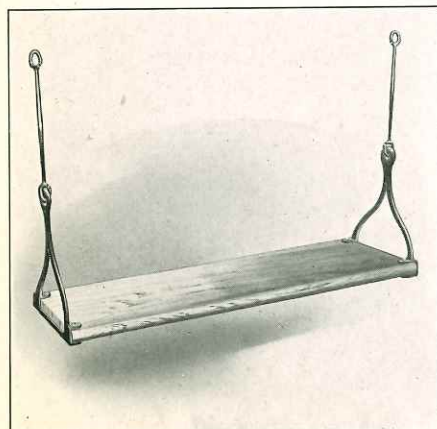
### Single Swings

Standard construction, including roller bearing fittings to attach to 3-inch pipe (no pipe or frame fittings).

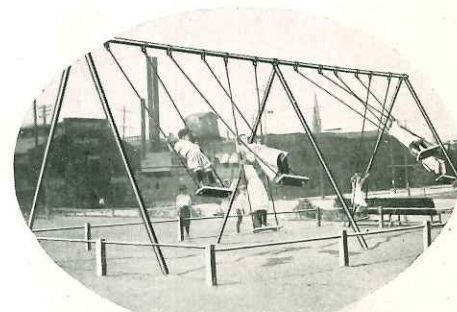
No. 488W Swings for frames 12 feet high, each.....\$ 9.00

No. 489W Swings for frames 14 feet high, each..... 10.00

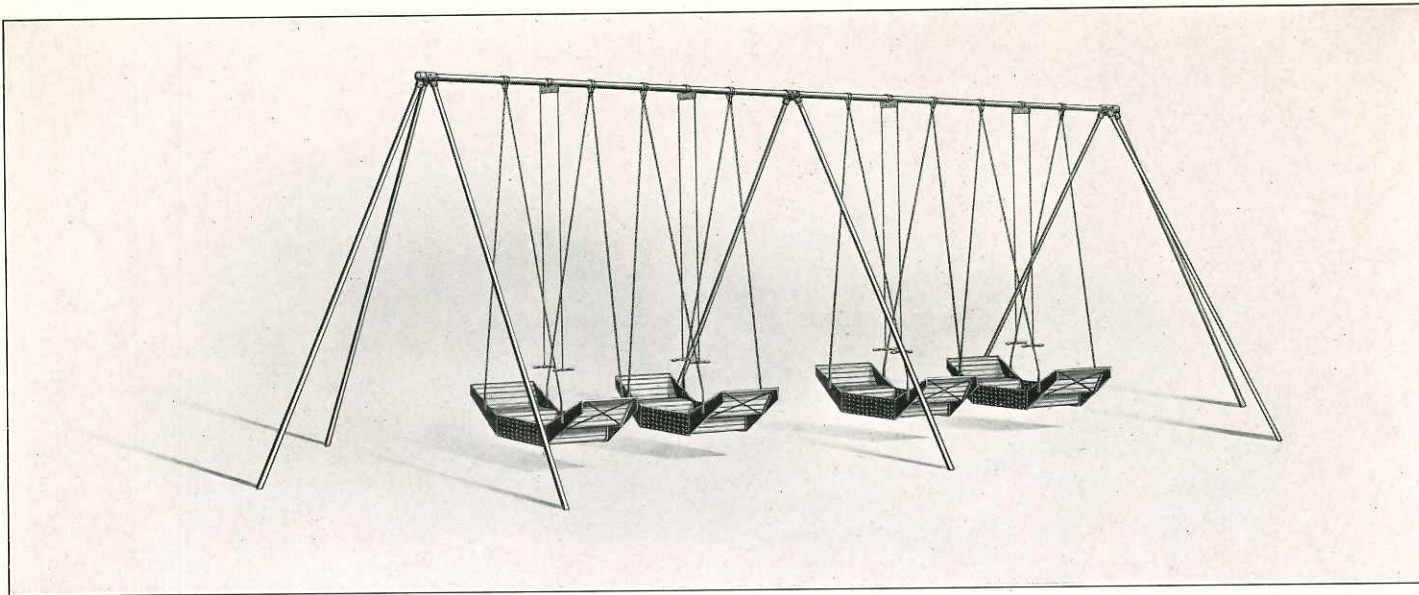
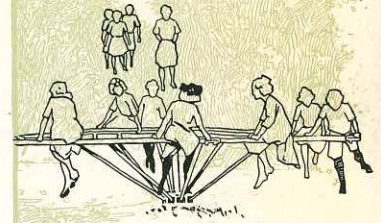
Approximate shipping weight.....40 pounds



**T**HE roller bearing swing fitting is of hardened steel—rollers and shaft both (see detail on bottom of page 14). We guarantee it to stand the hardest kind of service, without restriction, up to three years. The supports are made of  $\frac{1}{2}$  inch drop-forged steel links, shaped to form a comfortable grip. Notice how the wooden seat is attached to the supports so as to overcome the danger of tilting. This is another point in Medart construction which we had to work out from experience, when we learned that there is real danger from seat tilting.







## Self-Propelled Swing Outfit No. 495W

Patent Pending

*Suitable for Boys and Girls*

*Four Swings Accommodate 8 Boys or Girls*

This Outfit Requires a Ground Space of 46x14 feet.

The Frame is 30 feet Long and 12 feet High.

### THE COMPLETE OUTFIT CONSISTS OF

1 set No. 496W Four swings and frame fittings (no pipe).....	\$160.00
1 set No. 497W Pipe for frame.....	50.00
Complete outfit No. 495W.....	\$210.00
Approximate shipping weights: Six swings and frame fittings.....	700 pounds
Pipe.....	550 pounds

The pipe for the frame consists of 1 piece 3"x26' 0"; 8 pieces 2"x16' 0".

The frame consists of 3 No. 24W; 2 No. 28W; 1 No. 37W; 8 No. 31W.

Complete specifications of apparatus and pipe are given on pages 42, 43 and 47.

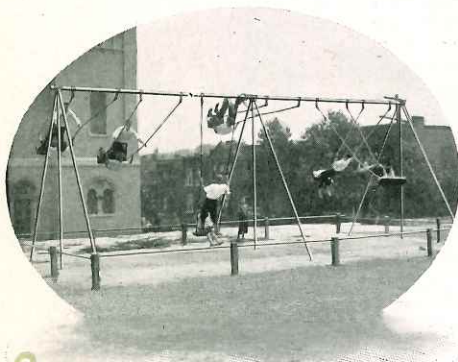
### Single Self-Propelled Swings

Standard construction, including roller bearing fittings to attach to 3-inch pipe (no pipe or frame fittings).

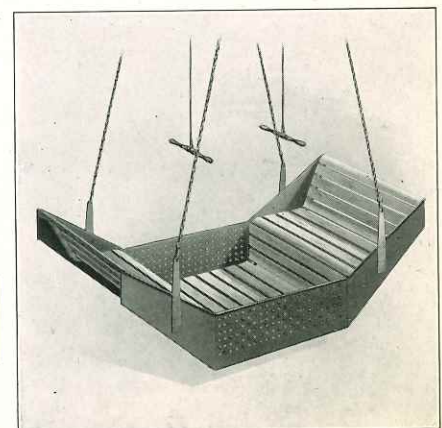
No. 498W Swings for frames 12 feet high, each.....\$36.00

No. 499W Swings for frames 14 feet high, each..... 36.75

Approximate shipping weight.....150 pounds



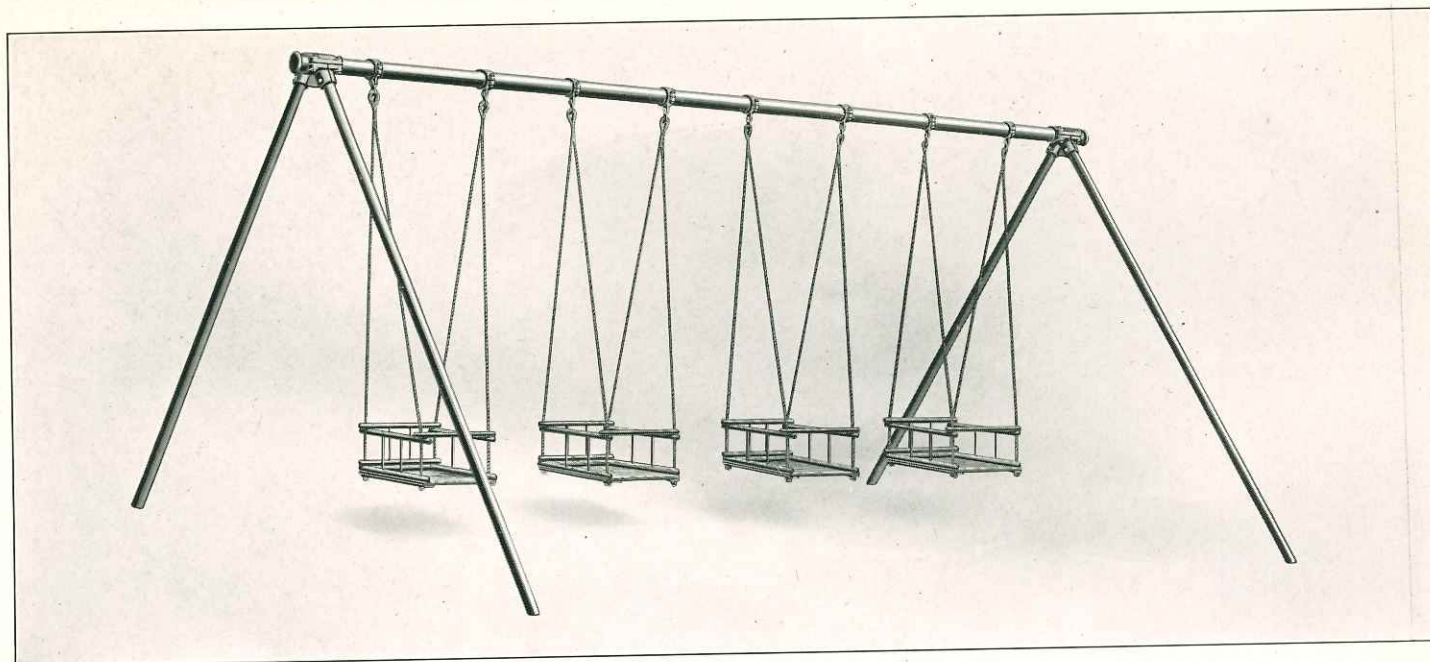
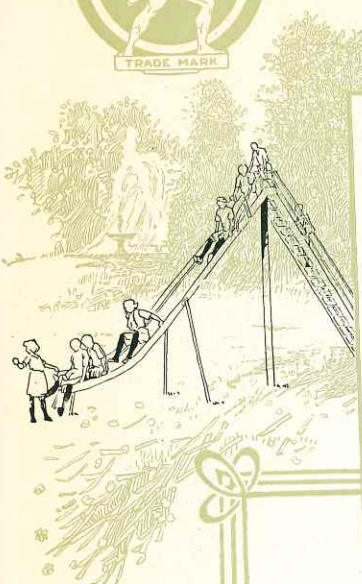
**T**HIS is an innovation—a self-propelling swing, started and kept in motion by pulling on the ropes with which it is provided. After a full season's test this ingenious piece of equipment bids strongly for popularity. In the test outfits which we installed it was observed that the girls and small children made this self-propelled swing a favorite, using the ample floor room in the bottom of the car for one or two little folks as passengers, while two older girls propelled the swing. The extra substantial construction of this piece of apparatus amply provided for this extension of its use.







FRED MEDART  
SAINT LOUIS



## Chair Swing Outfit No. 520W

*For small Children—Boys and Girls*

This Outfit Requires a Ground Space of 16x10 feet.

The Frame is 16 feet Long and 8 feet High.

### THE COMPLETE OUTFIT CONSISTS OF

1 set No. 521W Four chair swings and frame fittings (no pipe)	\$30.00
1 set No. 522W Pipe for frame	22.00
Complete outfit No. 520W	\$52.00

Approximate shipping weights: Four swings and frame fittings	175 pounds
Pipe	300 pounds

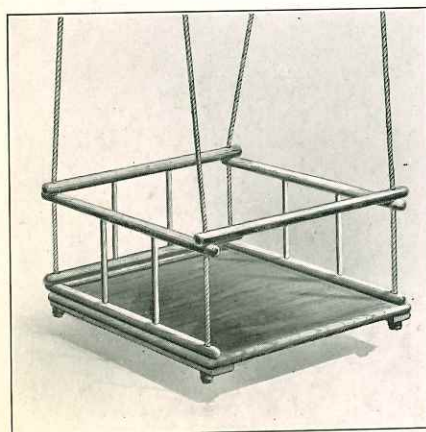
The pipe for the frame consists of 1 piece 3"x16' 0"; 4 pieces 2"x11' 3".  
The frame consists of 2 No. 24W; 2 No. 29W; 4 No. 31W.

Complete specifications of apparatus and pipe are given on pages 42, 43 and 47.

### Single Chair Swings

Standard construction, with wooden chairs and rope supports, including swinging fittings No. 40W to attach to 3-inch pipe (no pipe or frame fittings).

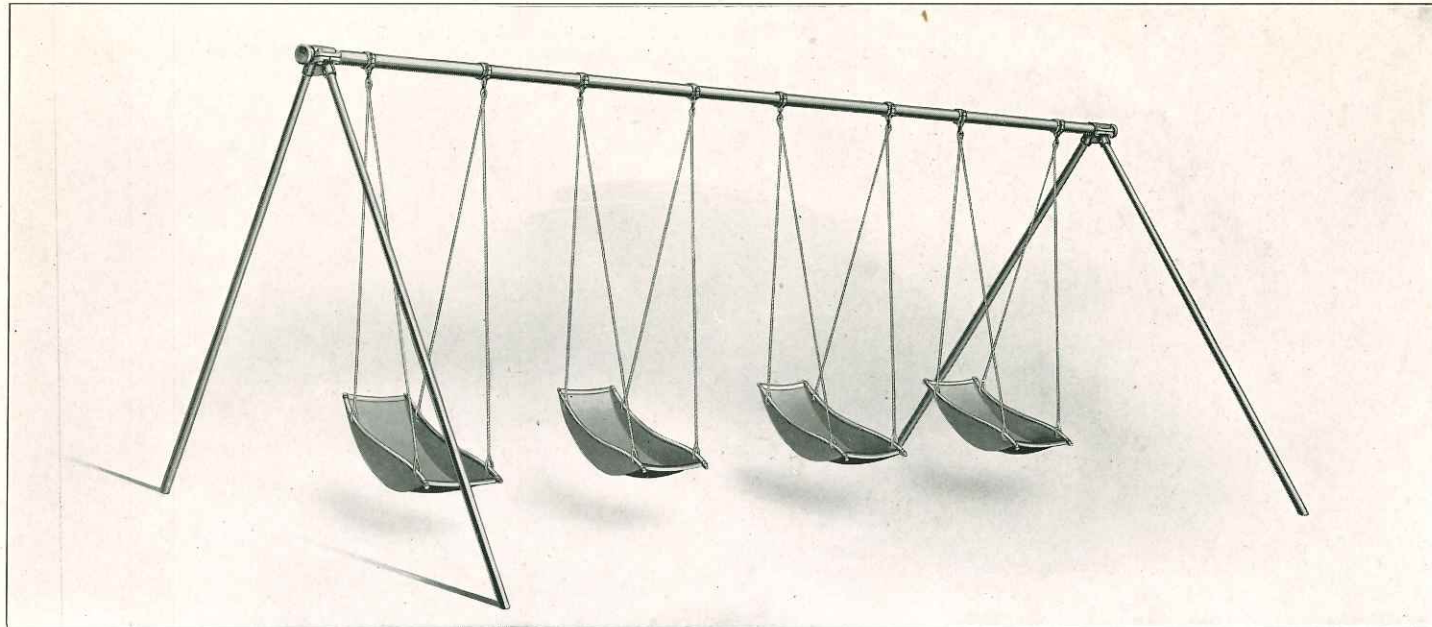
No. 535W for frame 8 feet high, each	\$5.50
Approximate shipping weight	25 pounds



**T**HE frames for both Chair and Basket Swings are made more rigid and durable by our improved braced construction, which is substituted for the old-style single perpendicular support. This latter never had anything but its economy to recommend it. These frames, with braced supports to insure permanent rigidity, make these important pieces of apparatus entirely trustworthy. Safety and satisfaction are never sacrificed to save expense in Medart construction.







## Basket Swing Outfit No. 540W

*For small Children—Boys and Girls*

This Outfit Requires a Ground Space of 16x10 feet.

The Frame is 16 feet Long and 8 feet High.

### THE COMPLETE OUTFIT CONSISTS OF

1 set No. 541W Four basket swings and frame fittings (no pipe) . . . . .	\$41.50
1 set No. 542W Pipe for frame . . . . .	22.00
Complete outfit No. 540W . . . . .	\$63.50
Approximate shipping weights: Four swings and frame fittings . . . . .	150 pounds
Pipe . . . . .	300 pounds

The pipe for the frame consists of 1 piece 3"x16' 0"; 4 pieces 2"x11' 3".

The frame fittings consist of 2 No. 24W; 2 No. 29W; 4 No. 31W.

Complete specifications of apparatus and pipe are given on pages 42, 43 and 47.

### Single Basket Swings

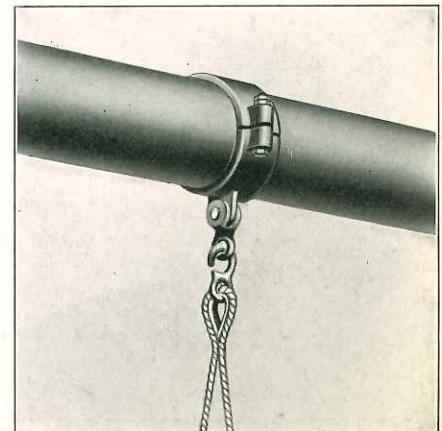
Standard construction, with canvas baskets and rope supports, including swinging fittings No. 40W to attach to 3-inch pipe (no pipe or frame fittings).

No. 545W for frame 8 feet high, each . . . . . \$8.50

Approximate shipping weight . . . . . 25 pounds



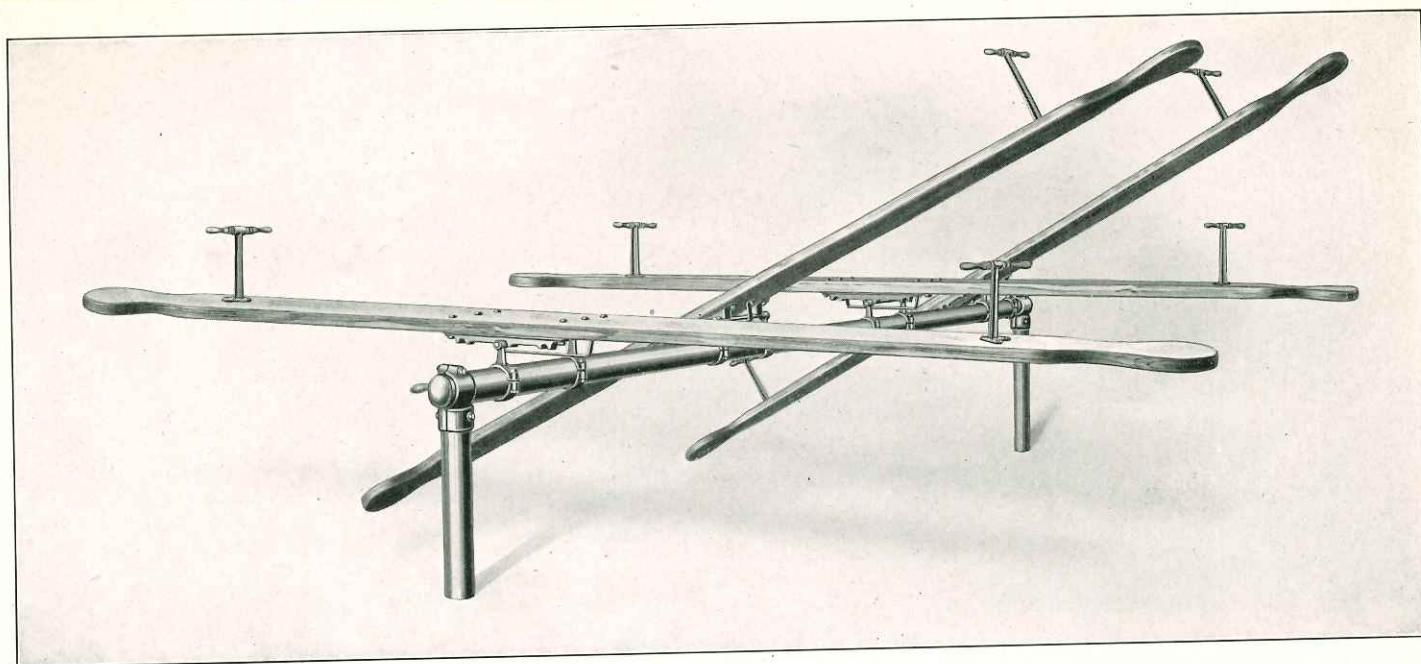
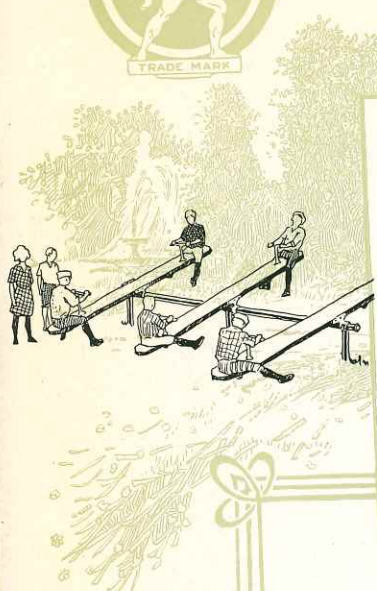
**W**HILE chair and basket swings are intended for the use of small children, with the help of an older child to keep the swing in motion, it is necessary to provide for the harder play-use to which they are subjected when older children are attracted to them. Our improved construction of the swinging fittings for Medart Chair and Basket Swings insures their strength and durability. There are always abuses of apparatus—unavoidable under playground conditions—but fortunately the manufacturer can provide for these from the knowledge gained through experience.







FRED MEDART  
SAINT LOUIS



## See-saw Outfit No. 490W

*For small Children—Boys and Girls*

The Frame is 14 feet Long and 3 feet High.

The Outfit Comprises four 12-foot Boards with Handles.

This Outfit Requires a Ground Space of 14x12 feet.

1 set No. 491W Four see-saw boards and frame fittings (no pipe)	\$43.50
1 set No. 492W Pipe for frame	14.00
Complete outfit No. 490W	\$57.50

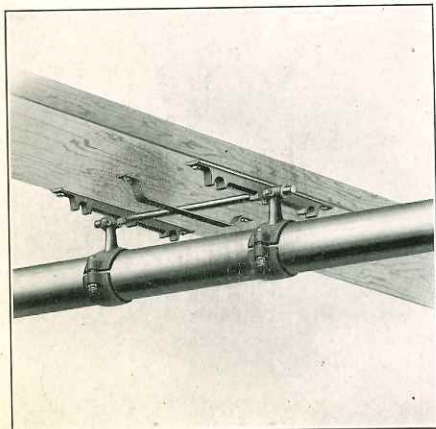
Approximate shipping weights: Four boards and frame fittings	400 pounds
Pipe	180 pounds

The pipe for the frame consists of 1 piece 3"x14' 0"; 2 pieces 3"x5' 0".  
The frame fittings consist of 2 No. 21W; 2 No. 32W; 2 No. 29W.

## Single See-saw Boards

Consisting of wooden boards 12 feet long, including handles, fulcrum and fittings to attach to 3-inch pipe (no pipe or frame fittings).

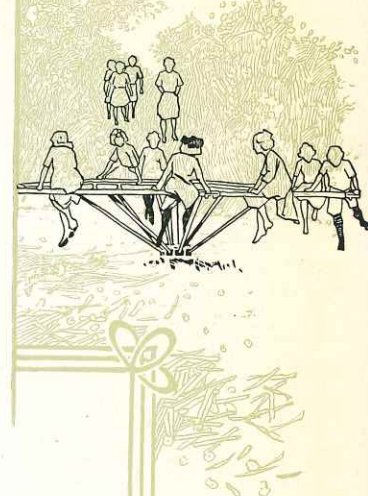
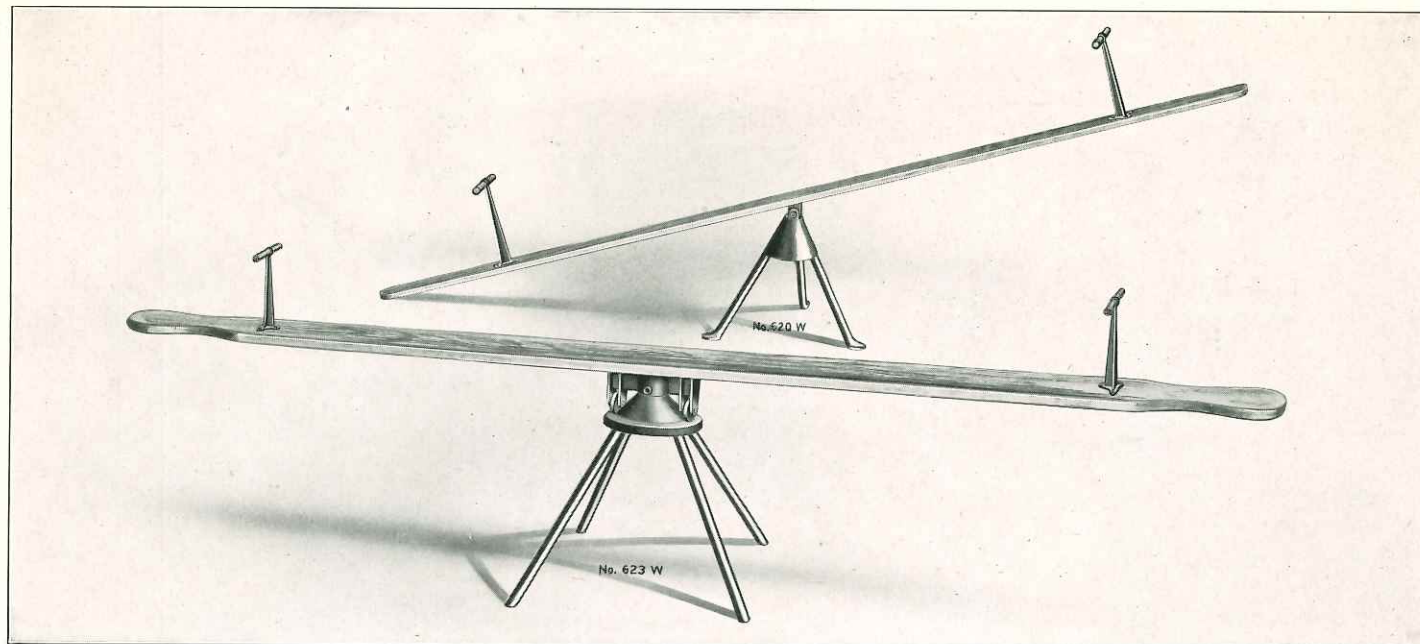
No. 493W	each, \$9.75
Approximate shipping weight	110 pounds



**B**Y means of an adjustable fulcrum the see-saw balance of the board can be maintained whatever the weights at either end. Galvanized malleable iron construction is used for the fulcrum, which reduces wear to a minimum. A see-saw will wear as long as its fulcrum. For the board itself, nothing better has been found than clear, seasoned lumber, protected with best lead and oil paint. An iron strap underneath secures the board against unauthorized removal. If desired, handle bars may be omitted, thus reducing the price of Outfit No. 490W, but this is not recommended, as the handles are a safeguard against smashed fingers.







## Single See-Saw

This outfit meets a demand for an individual see-saw. It is portable, the stand being built with three legs, and stands firm without anchoring in the ground.

The board is 12 feet long and hinged in a casting connecting the legs.

No. 620W .....\$12.00  
Approximate shipping weight.....150 pounds

## Combination See-Saw and Whirl

This piece of apparatus is built on the same principle as the single see-saw, except that it is easily changeable from see-saw to whirl, or vice versa, giving it a wider range for affording amusement.

No. 623W .....\$16.00  
Approximate shipping weight.....150 pounds



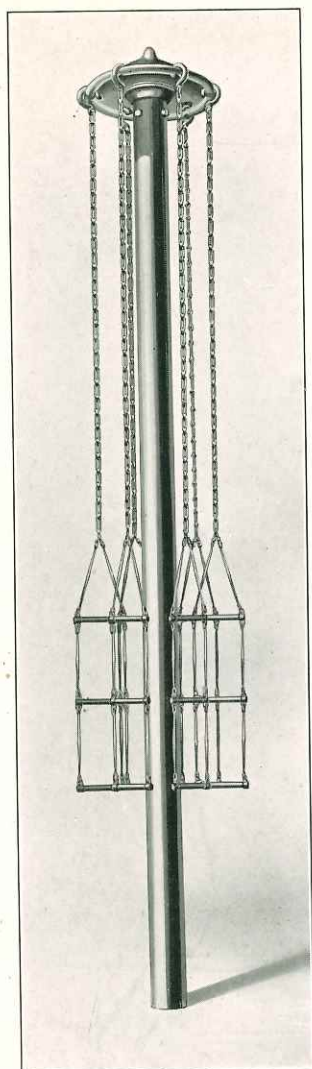
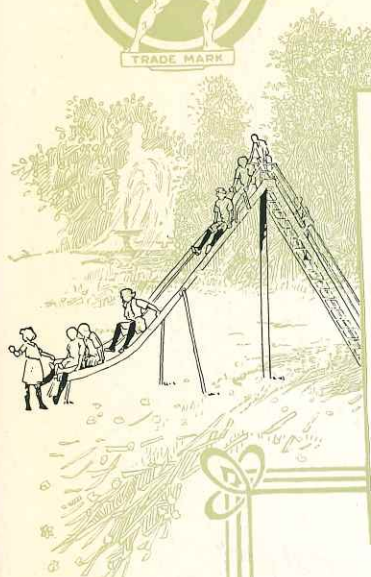
**W**E are strongly convinced that the success and future development of playgrounds depends on the selection of the right kind of equipment. We have been in touch with the playground movement since its inception, and have observed the development of equipment to its present improved form. Not only this, but many of the improvements in construction and the new pieces of apparatus invented in late years have originated in our own factory. In view of our long experience in this work we naturally feel well qualified to assist in the selection of equipment for any stated purpose and we are at the service of anyone requiring assistance in the planning of playgrounds or the selection of suitable equipment.







FRED MEDART  
SAINT LOUIS

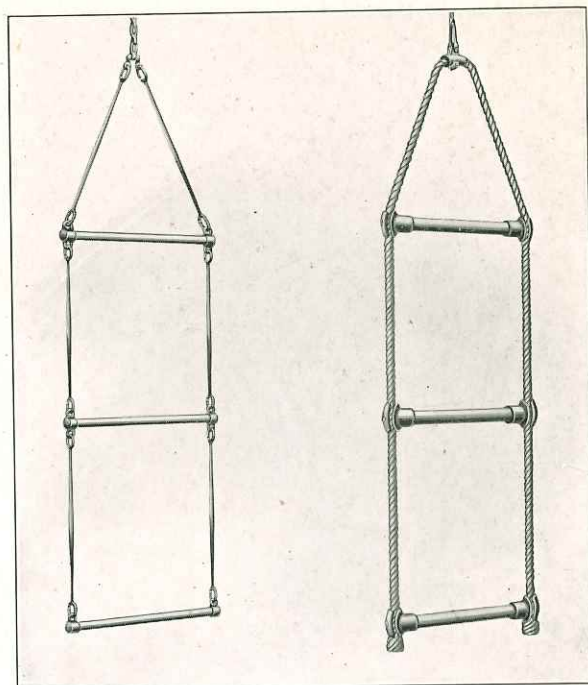


## Giant Strides

*Suitable for both Boys and Girls*

The standard outfit has six ladders, but giant strides with four or eight ladders can also be furnished.

The upright support is made of 3½" standard pipe 18' long, which projects 14 feet above the ground.



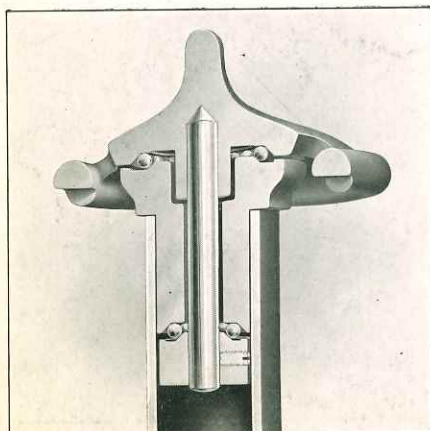
### COMPLETE OUTFITS, WITH AND WITHOUT UPRIGHTS

No. 503W	Six steel ladders with pipe upright.....	\$45.00
No. 503½W	Six rope ladders with pipe upright.....	42.00
No. 504W	Six steel ladders without pipe upright.....	32.75
No. 504½W	Six rope ladders without pipe upright.....	29.50
Approximate shipping weights: No. 503W and 503½W.....		365 pounds
No. 504W and 504½W.....		200 pounds

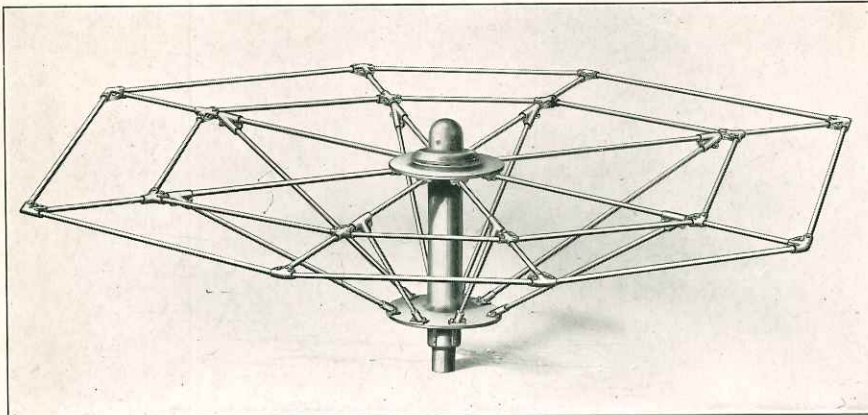
### Giant Stride Parts

No. 505W	Complete headpiece.....	weight	50 pounds, each,	\$ 9.75
No. 506W	Extra steel ladders.....	weight	20 pounds, each,	3.75
No. 507W	Extra rope ladders.....	weight	15 pounds, each,	3.00
No. 508W	3½"x18' galvanized pipe uprights.....	weight	165 pounds, each,	12.50
No. 509W	3½" base flange.....	weight	20 pounds, each,	1.75

**S**TEEL ladders represent the utmost durability, though some Directors prefer the rope ladders because of their light weight. Rope ladders are provided with wooden rungs. Both the steel and the rope ladders are suspended from the revolving wheel with galvanized safety chains, tested to a tensile strength of 2500 pounds. The wheel revolves on a double set of hardened steel balls, 25 balls at the top and 13 below, which gives a frictionless and indestructible bearing.







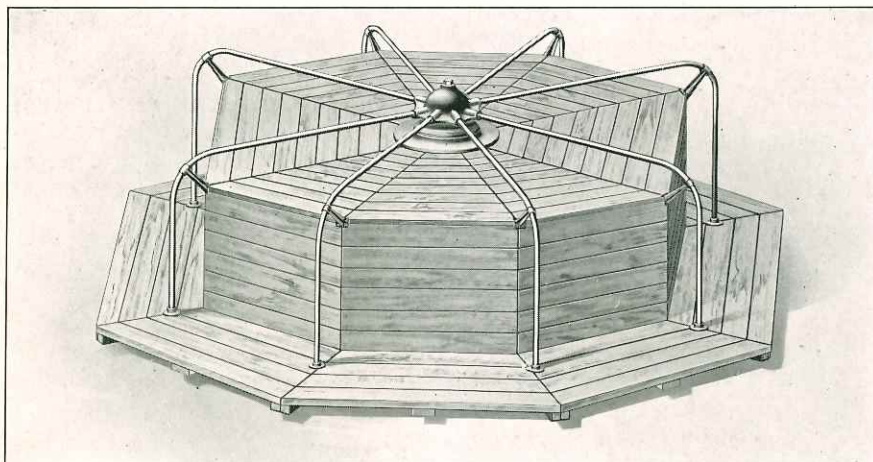
## Revolving Parallels

This piece of apparatus is intended principally for use of boys, but it is also used by girls.

The frame is built in an octagon shape to support eight pairs of parallel bars on which stunts are performed when the outfit is in motion. The general character of this piece of apparatus suggests exercise, although there is ample opportunity to straddle the bars and ride after sufficient momentum has been acquired.

It is constructed with two revolving discs, both equipped with large ball-thrust and roller-bearings, supported on a 3-inch galvanized pipe upright.

No. 570W.....\$105.00  
Approximate shipping weight.....700 pounds



## Revolving Platform

Suited for boys, girls and small children.

This outfit revolves easily on large ball-thrust and roller-bearings. It is supported on a 4-inch steel shaft (shaft not galvanized). The frame is made of channel iron with wooden platform built over. The entire outfit is substantially constructed and will carry all the children that can be loaded on it.

No. 571W.....\$170.00  
Approximate shipping weight.....1400 pounds



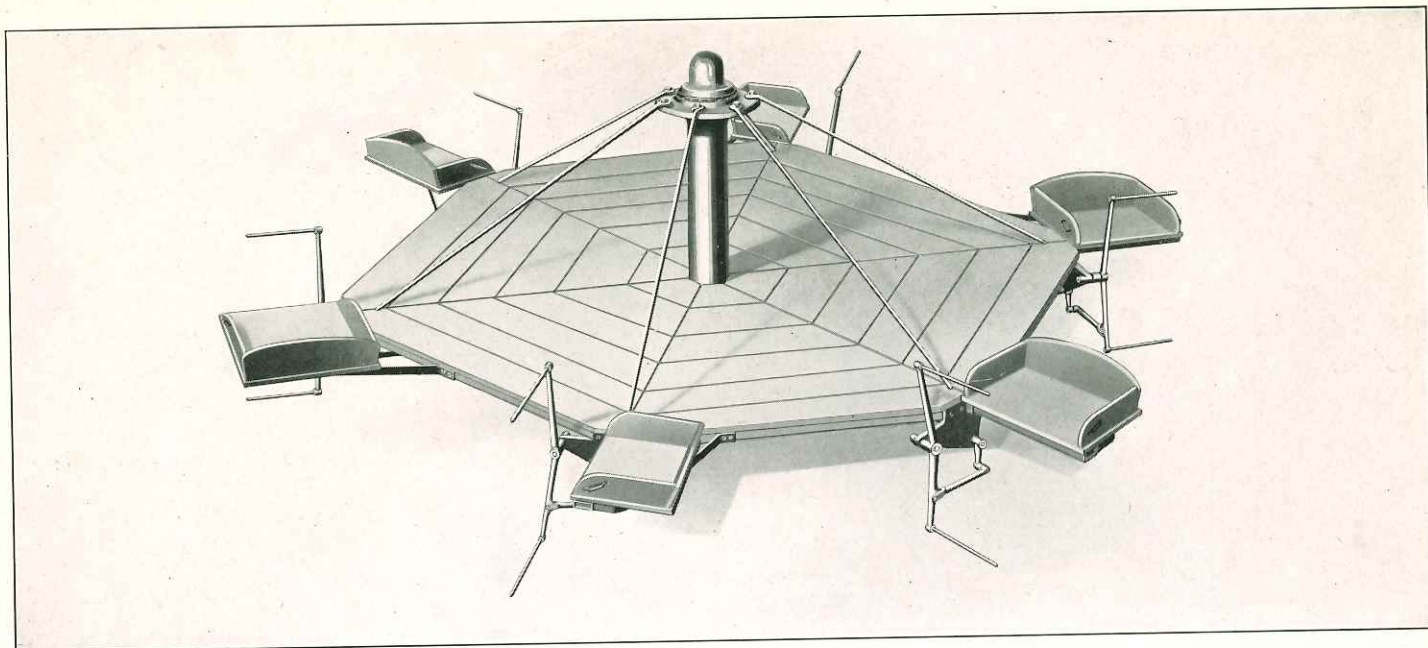
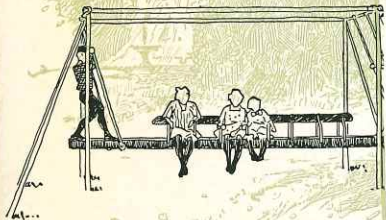
**W**E will complete no order where we know beforehand that the apparatus selected will not answer the purpose for which it is intended. This has been a characteristic Medart policy for nearly half a century. We are willing to assume a reasonable responsibility for the practicability of any equipment we may furnish where the purpose of such equipment is clearly outlined. We are glad at all times to have the buyer's problem put directly to us and thus throw all of the responsibility on our shoulders. This policy has been made to apply in the case of this catalog. There is not a single piece of apparatus listed in this catalog which we do not guarantee as being thoroughly practical and of the very best construction.







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## Merry-Go-Round

Patent Pending

*Suitable for Boys, Girls and small Children*

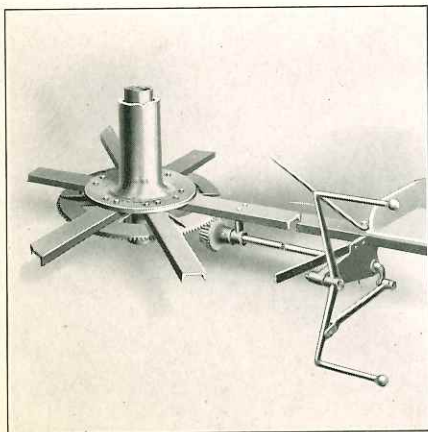
The frame is 12 feet in diameter. It is made of steel supported on a 3-inch pipe  $7\frac{1}{2}$  feet long. This pipe projects  $3\frac{1}{2}$  feet above the ground after having been set in a concrete foundation to a depth of four feet. This concrete foundation should be four feet square.

The outfit consists of six wooden seats. Each of these seats has handles and foot pedals operating beveled gears which revolve the swing.

The central support is made of a heavy casting provided with large ball bearings on which the apparatus revolves without friction.

No. 572W .....\$212.00

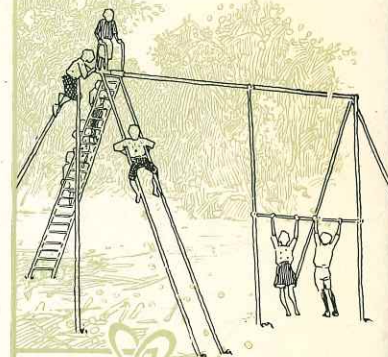
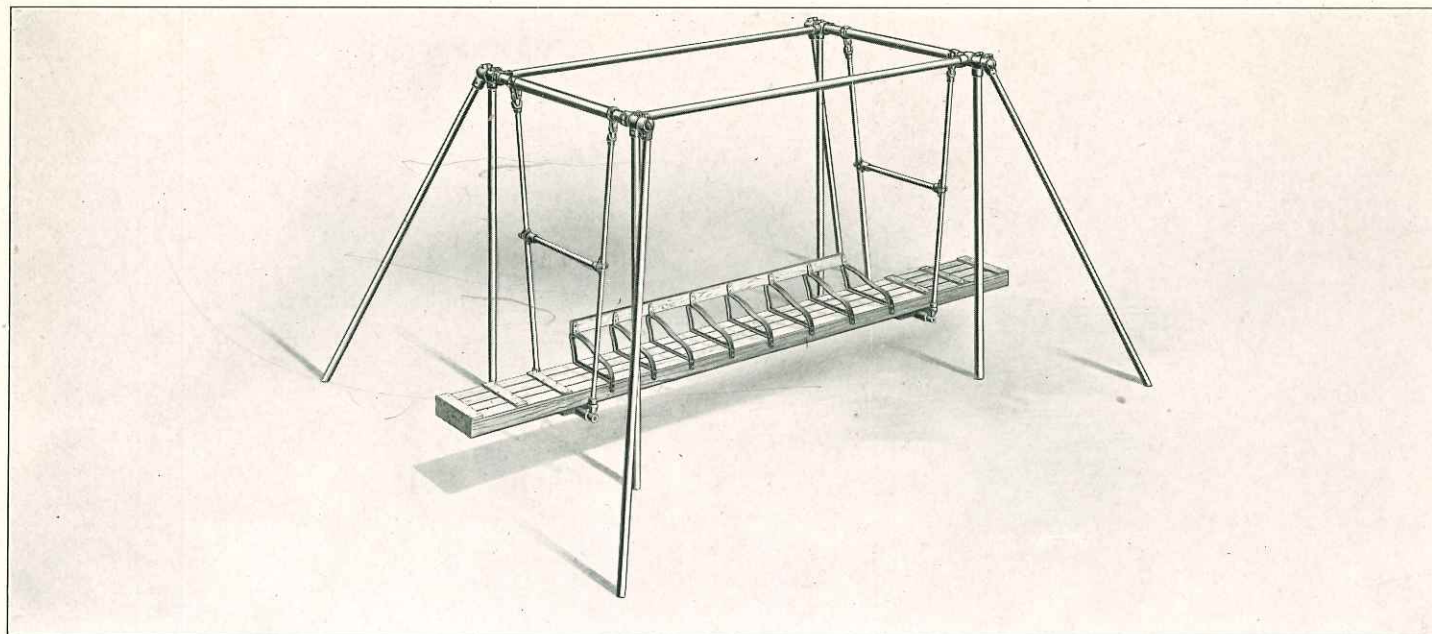
Approximate shipping weight .....800 pounds



**W**HAT child would consider a playground complete without whirling merry-go-rounds or revolving parallels? The popularity of this particular playground essential puts it to a severe service test, but all Medart Apparatus is so substantial in its construction that it will stand hard use and abuse in municipal and school playgrounds. Both boys and girls can play safely together on the merry-go-round, with room for extra kiddies—none too small to ride safely stowed away in the center.







## Rock-a-Bye Swing Outfit No. 630W

*For Boys, Girls and small Children*

This Outfit Requires a Ground Space of 38x26 feet.

Height of Frame 9 feet.

No. 631W Complete swing and frame fittings (no pipe).....	\$ 81.00
No. 632W Pipe for frame.....	40.00

Complete outfit No. 630W.....\$121.00

Approximate shipping weights: Swing and frame fittings.....	380 pounds
Pipe.....	500 pounds

The pipe for the frame consists of 4 pieces 2"x12' 0"; 4 pieces 2"x13' 0"; 2 pieces 2"x9' 0"; 2 pieces 3"x5' 0".  
The frame fittings consist of 8 No. 22W; 4 No. 41W; 8 No. 31W.

The Rock-a-bye swing provides individual seats for seven small children. One or two larger boys or girls at either end will derive much pleasure through keeping the swing in motion, as all swinging connections are fitted with roller bearings. The swing is always level and glides through the air like greased lightning.

The entire outfit is substantially built and there is nothing to break or get out of order.  
The swing is made of wood with malleable iron arms and back rest.



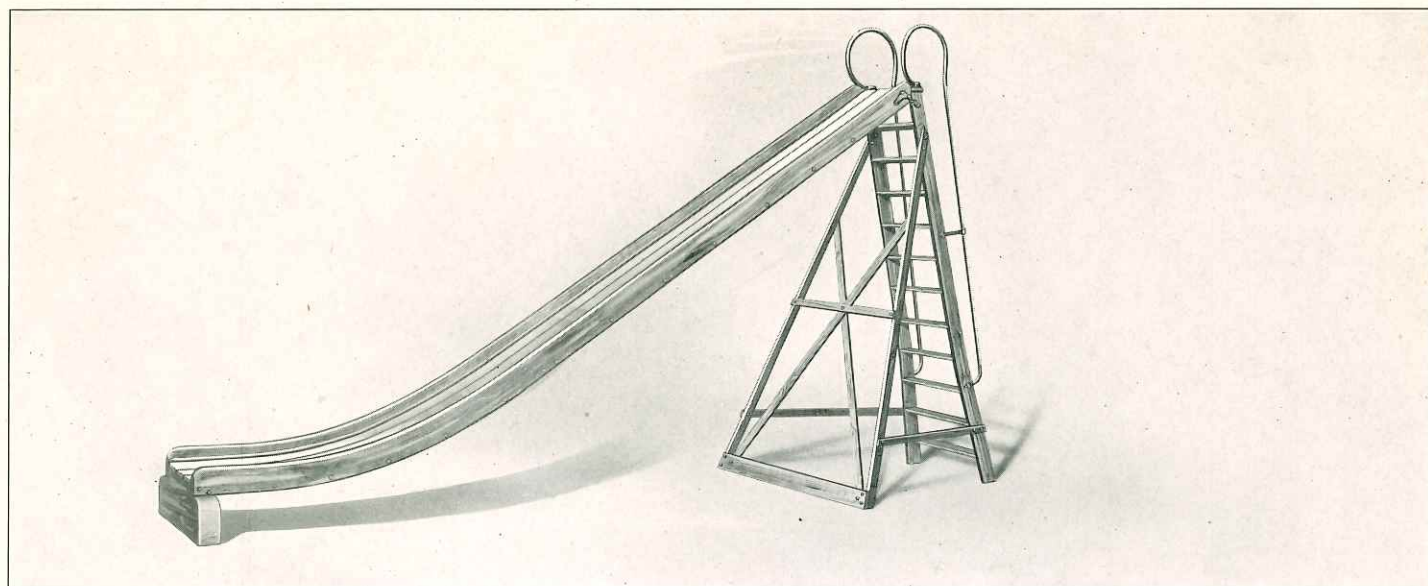
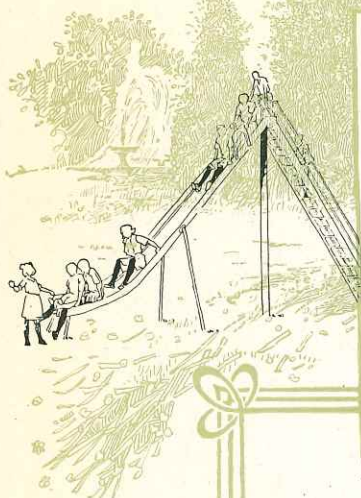
**E**VERY form of playground apparatus that has been approved in actual practice is represented in this catalog, which may, indeed, be taken as a text-book and guide on the subject. At the same time we have omitted certain types of apparatus for which there is occasional demand, but which are not generally approved by recognized playground authorities. There is more than a play side to playground apparatus. There are some types of slides, for instance, with bumps which supply new thrills—and sometimes shudders—not contemplated by their inventors. Designing playground apparatus is highly technical. In our catalog we only include apparatus which is the BEST for the purpose intended, guaranteed in practical service and absolutely the most economical—in the long run.







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## Portable Slides

*Suitable for Boys, Girls and small Children*

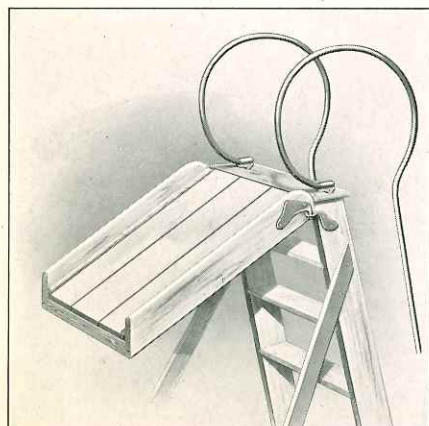
No. 511W.	12 feet long and 6 feet high.....	\$17.25
No. 510W.	16 feet long and 8 feet high.....	50.00
No. 513W.	24 feet long and 12 feet high.....	75.00

Approximate shipping weights:	No. 511W.....	165 pounds
	No. 510W .....	425 pounds
	No. 513W.....	660 pounds

These slides are made of rock maple, with polished sliding board. By an ingenious construction we are able to warrant Medart Slides against warping or cracking.

The slides are of a shape to discharge the children without injury, perfected through many years of experience.

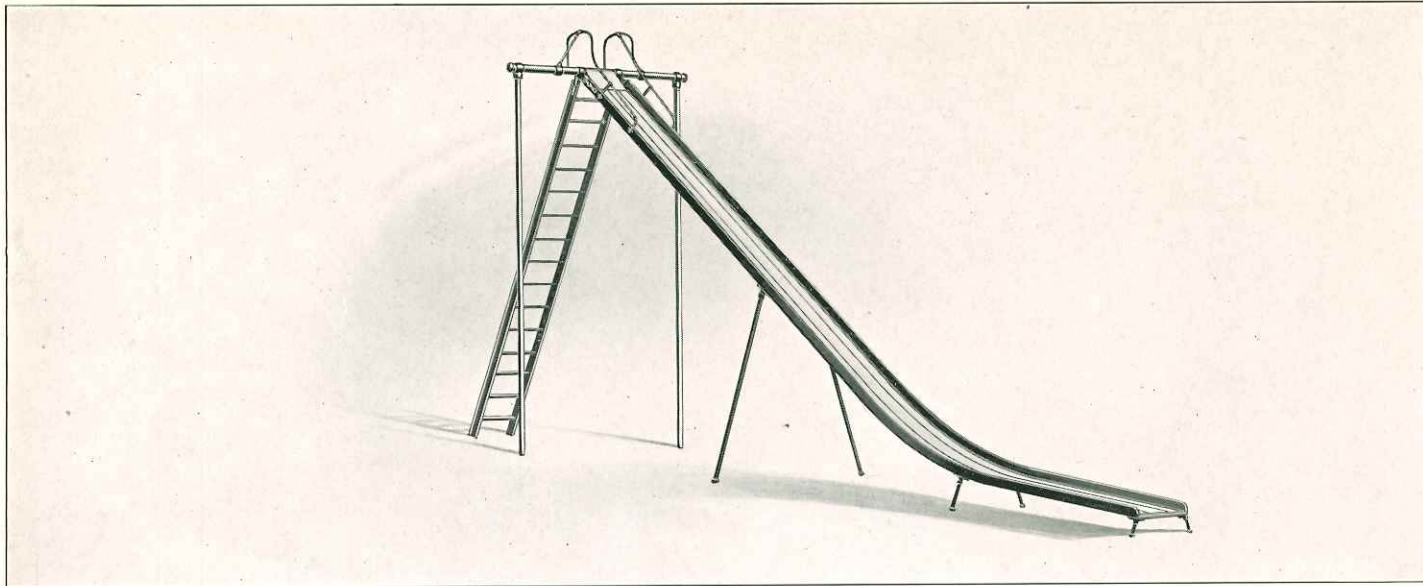
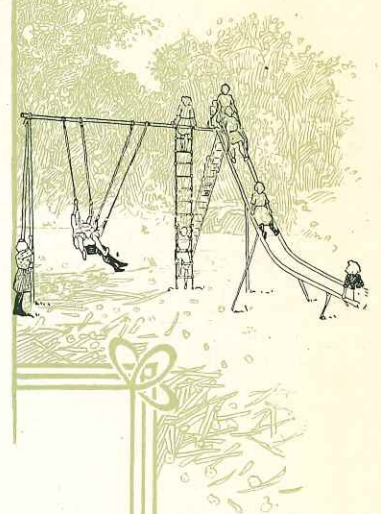
The steps are made of wood with galvanized iron hand rails. The slides can be detached from the steps.



**T**HE polished rock maple sliding board is ideal for its purpose and guaranteed not to warp or crack. To prevent this former difficulty of construction we originated, but have long since discarded, metal covered slides, because under the friction of constant use the galvanizing wears off and then the metal is exposed to rust. Metal is also unsatisfactory for slides, because it gets very hot when the sun beats down on it all day.







## Long Slide Outfit No. 700W

*For Boys and Girls*

The slide, originally intended for use of small children, also made a strong appeal to the older boys and girls and it was soon found necessary to build a larger slide more particularly suited for them.

The long slide is most commonly used as part of the gymnastic outfit, but in many instances it has been found advantageous to install the long slide outfit No. 700W independent of the gymnastic outfit, and in other instances the long slide outfit is used where there is no gymnastic outfit.

The slide is 30 feet long, with frame 14 feet high. It is shaped so the speed is retarded just before the child reaches the ground.

The sliding board is made of polished rock maple, uncovered, and guaranteed not to warp or crack.

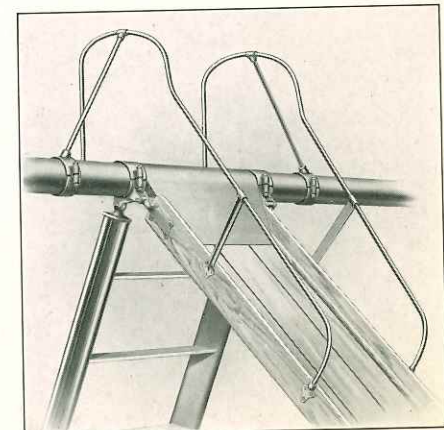
No. 701W Long Slide .....	weight 700 pounds	\$ 72.00
No. 702W L. S. Guard Rails .....	weight 50 pounds	12.50
No. 704W Pipe for frame .....	weight 330 pounds	23.25
No. 705W Frame fittings .....	weight 35 pounds	5.00
No. 707W Steel Vertical Ladder .....	weight 200 pounds	35.00
Complete outfit No. 700W .....		\$147.75

The pipe for the frame consists of 1 piece 3"x7' 0"; 2 pieces 3"x17' 0".

The frame fittings consist of 2 No. 21W; 2 No. 29W; 2 No. 32W.



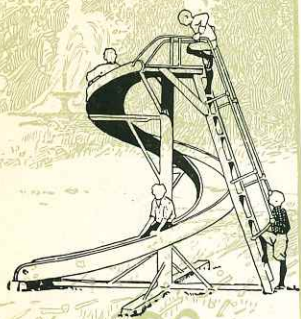
**E**VER climb bare-footed on steel ladders with round rungs? Or did you ever inspect a wooden ladder which has been climbed on by shoes covered with playground sand and grit? You would then know why we use these broad, flat steel treads on our ladders. Each tread or rung is oxygen-acetylene welded to the sides, which are rolled to afford a comfortable grip. Such details are worth considering. Medart ideals, guided by Medart experience, aim at the best construction—not at the lowest production costs.







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## Portable Spiral Slide

Patent Pending

*Suitable for Boys, Girls and  
Small Children*

**T**HIS is a comparatively new form of playground slide which has made a favorable impression with the children wherever it has been installed.



The sliding board is made of polished rock maple, uncovered. It is supported by means of a central vertical post. The steps are made of wood with galvanized iron hand rails.

The slide is 8 feet high, providing 24 lineal feet of sliding surface.

No. 514W ..... \$220.00

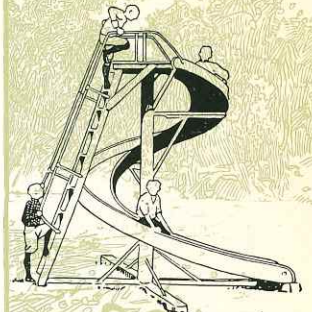
Approximate shipping weight ..... 1100 pounds



**T**HE practicability of every piece of Medart Playground Apparatus has been tested thoroughly in our own experimental playground, where we constantly try out new ideas and scrutinize them from every angle of operation. Once a piece of apparatus passes this severe experimental test it is again tried out under actual conditions by being installed in certain public playgrounds where we can watch it closely. In this way no untried piece of apparatus is put on the market. Medart reputation prohibits that.







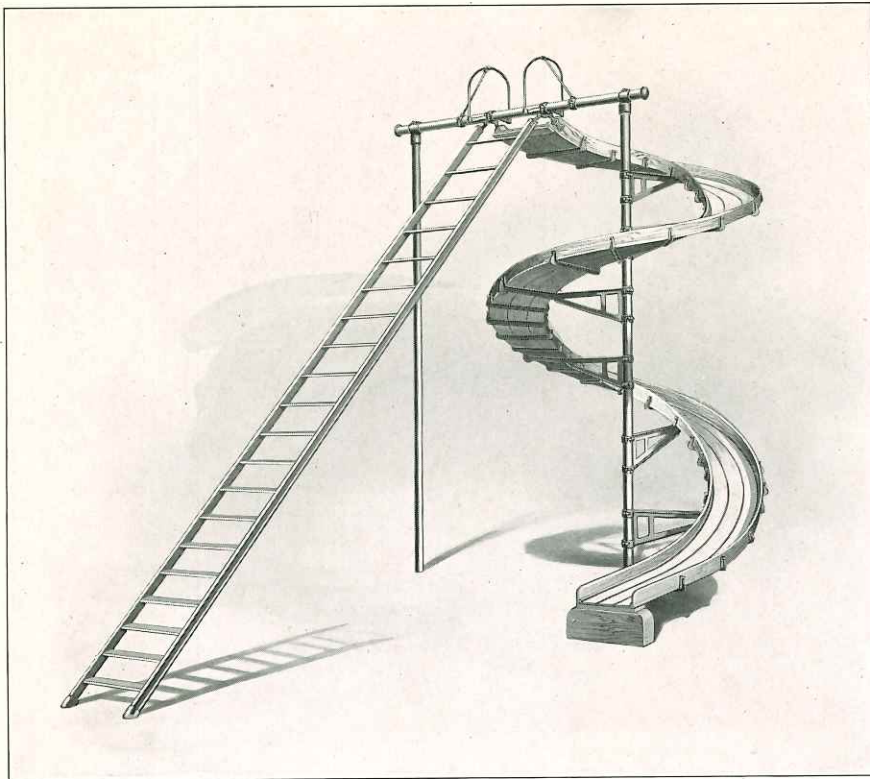
## Spiral Slide and Pipe Frame No. 725W

Patent Pending

*For Boys and Girls*

**T**HE sliding board is made of polished rock maple, uncovered. It has 33 lineal feet of sliding surface. The supporting frame is 14 feet high.

The slide is built in three sections for compact shipment. It can be put together without difficulty. The side-boards are securely held to the bottom or sliding board with iron cross pieces. The slide is hung on one of the vertical pipe supports with four heavy arms of malleable iron, galvanized.

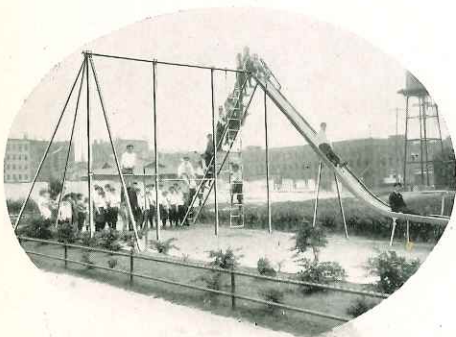


No. 726W Spiral Slide.....	weight 1100 pounds	\$250.00
No. 727W S. S. Guard Rails.....	weight 40 pounds	10.00
No. 728W Pipe for frame.....	weight 300 pounds	23.50
No. 729W Frame Fittings.....	weight 30 pounds	5.00
No. 707W Steel Vertical Ladder.....	weight 200 pounds	35.00

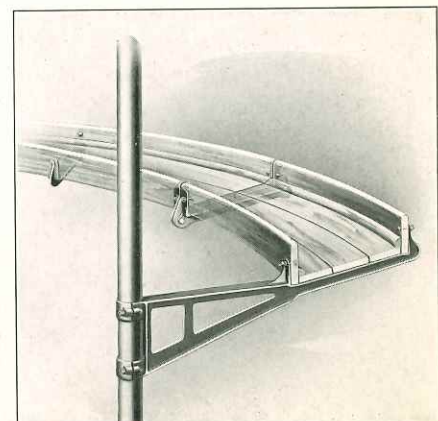
Complete outfit No. 725W.....\$323.50

The pipe for the frame consists of 1 piece 3"x7' 6"; 2 pieces 3"x17' 0".

The frame fittings consist of 2 No. 21W; 2 No. 29W; 2 No. 32W.



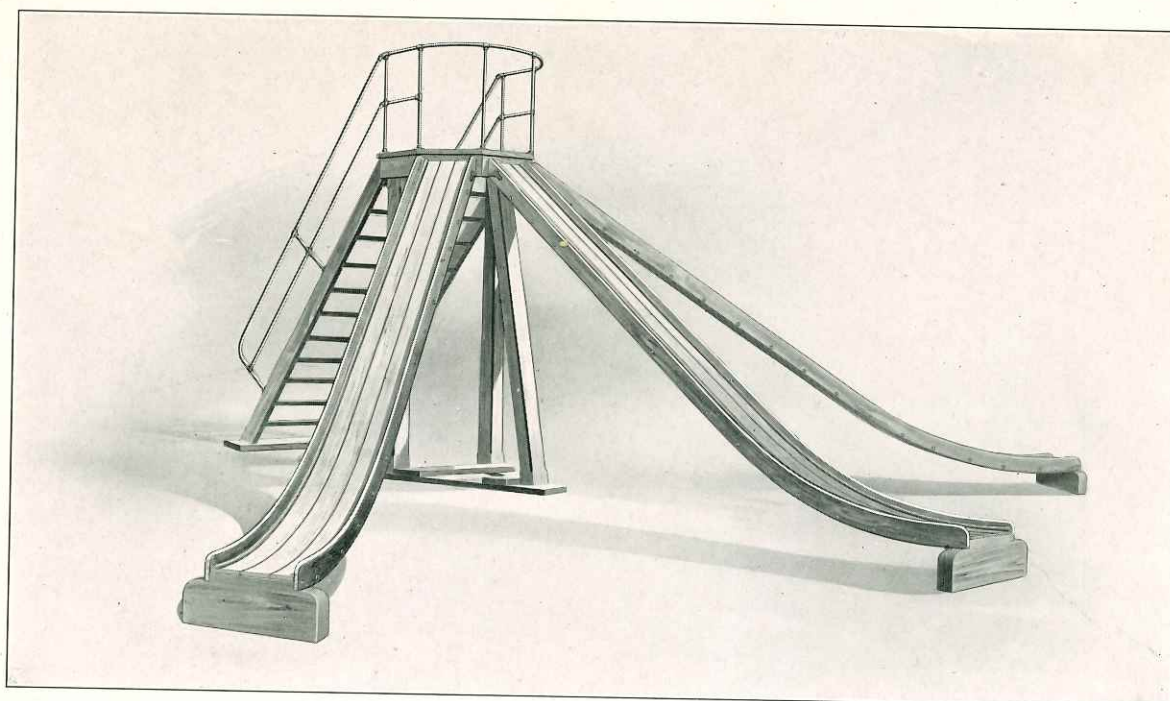
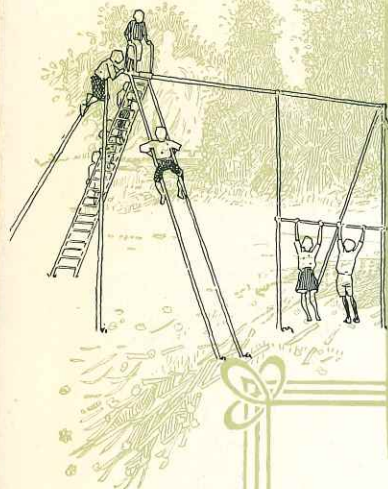
**T**HIS winding slide caters to the "something new" longing which dominates every child heart. Not only does the easy spiral give a winding sensation that is delightful, but the speed is slightly reduced and the descent from the top of the 14-foot frame is over a much longer route than the straight slides offer. This is a new and deservedly popular piece of Medart creation in Playground Equipment.







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## Multiple Slide

*For Boys, Girls and Small Children*

This combination of three slides with one set of broad wooden steps and platform has been found advantageous in many instances for peculiar reasons. The broad steps are well inclined and easy to ascend. The large platform at the top with high guard rails made of pipe facilitates getting on to the slides. The three outlets overcome crowding and waiting in line for a considerable time. Wherever this slide has been used it has proved very satisfactory and is considered advantageous in providing a safe high slide for the smaller children.

The slides are made of polished rock maple uncovered. The steps and platform are made of hardwood painted. The guard rail at the top of the platform is made of steel pipe galvanized.

The platform is 8 feet high and the slides 16 feet long.

No. 515W.....	\$175.00
Approximate shipping weight.....	1650 pounds

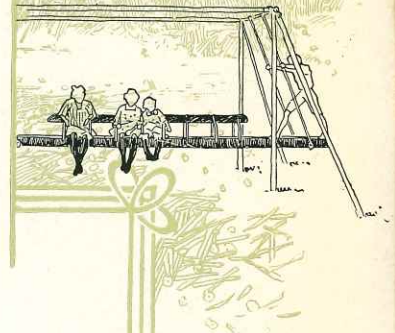
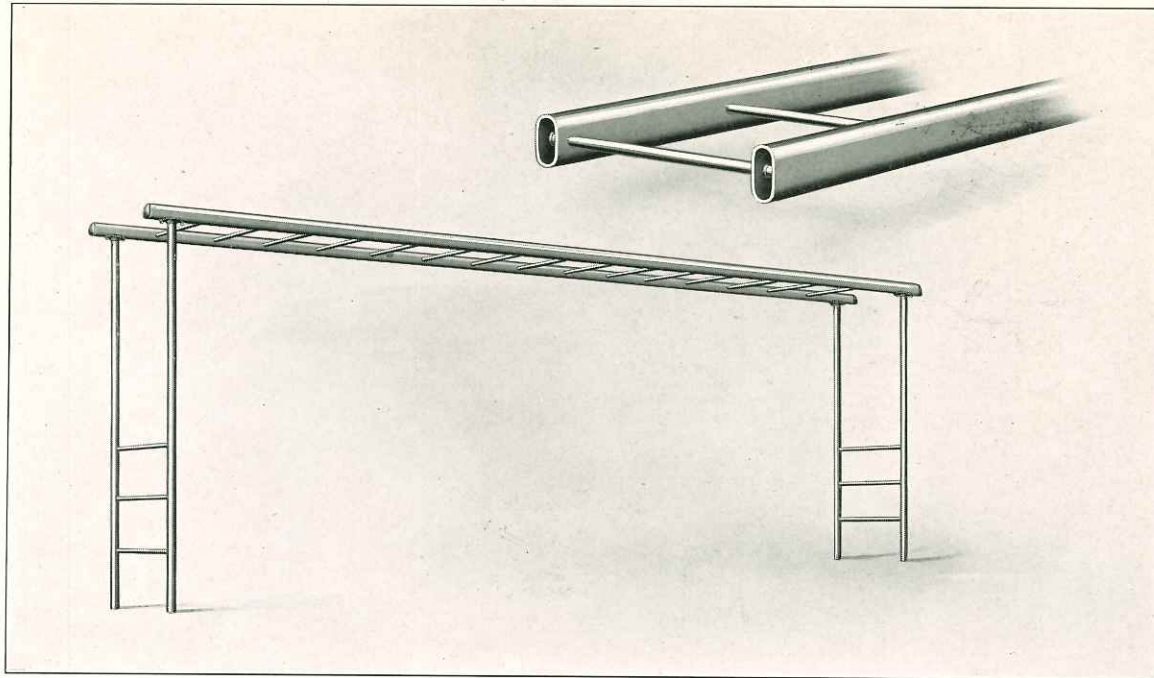
OUR business on playground equipment has extended throughout the United States and into some foreign countries. We are constantly in touch with authorities on Playground Work, and the designs and construction of our apparatus owe as much to the suggestions and criticisms which have come to us from Playground Directors as to our own observations.

Our goal has been high quality without extravagance, and our experience extending over a period of many years has demonstrated the economy of substantial construction and a 200 per cent factor of safety.

It is needless to mention that apparatus constructed on this principle is higher in first cost, but we face our price disadvantage confident that our many special features of construction will appeal to those Directors who are equipping playgrounds for permanency and with the view of safeguarding against accidents.







## Horizontal Ladder

*For Boys and Girls*

It was found advantageous to keep the horizontal ladder independent of the main gymnasium frame, and this combination resulted. It has answered all requirements admirably.

The ladder is 16 feet long. The end supports are  $7\frac{1}{2}$  feet above the ground and made to be embedded in concrete to a depth of 3 feet.

Three rungs are provided at the bottom of each set of supports so children of all ages and sizes can easily reach the ladder.

The horizontal ladder is an important part of the equipment of all indoor gymnasiums and should be more largely used in outdoor playgrounds. The exercises possible are delightful and beneficial. Besides developing strength of arm and wrist it straightens the shoulders and broadens the chest.

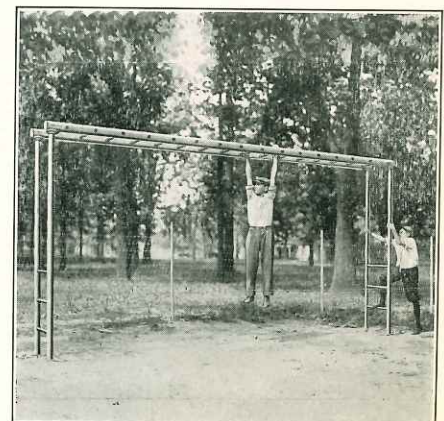
The entire outfit is made of steel, hot galvanized.

No. 560W.....\$67.00

Approximate shipping weight.....350 pounds



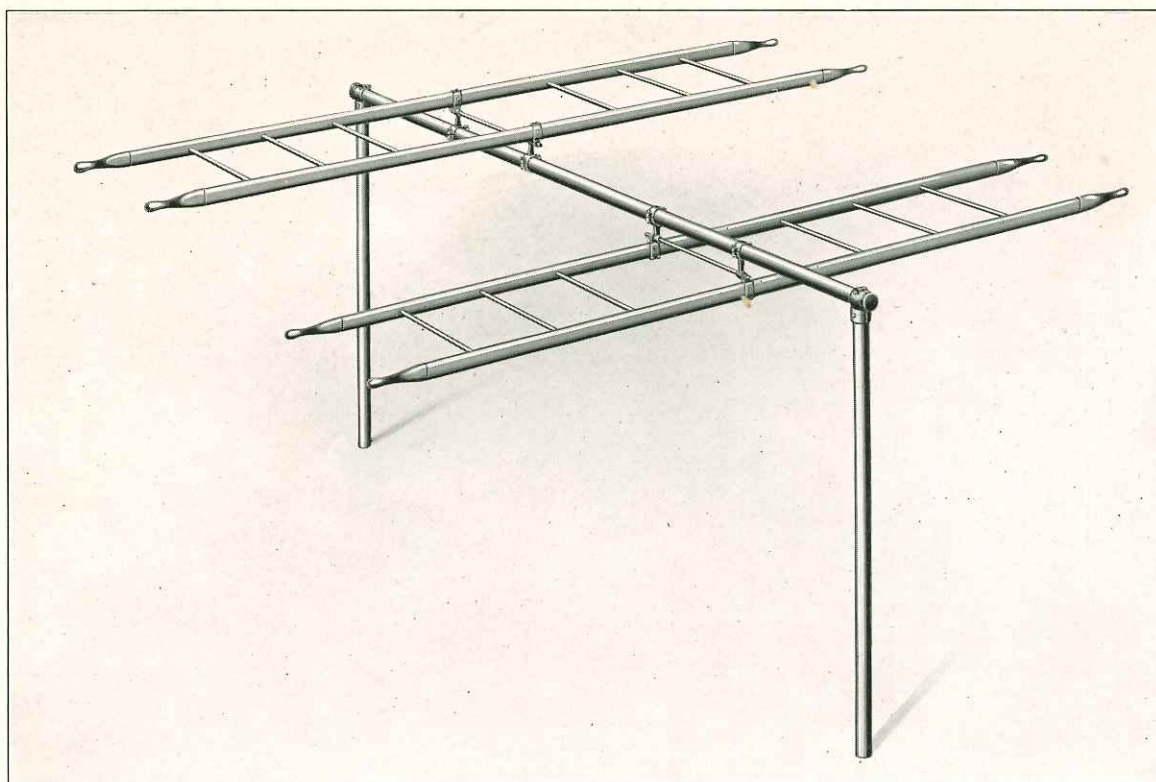
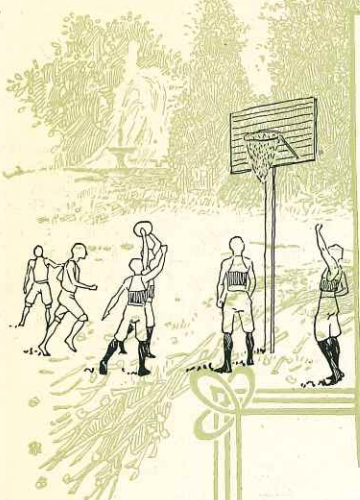
OUR horizontal ladders are made with sides of an oval shape, to afford an easy grip. The ladder is made entirely of steel, hot galvanized after being assembled, thereby insuring that every part and joint is properly protected from rust—which is practically the only deterioration to which steel is liable.







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## Teeter Ladder Outfit No. 580W

*For Boys and Girls*

The Frame is 9 feet Long and 6 feet High.

The Outfit Comprises Two Steel Teeter Ladders.

1 set No. 581W Two teeter ladders and frame fittings (no pipe).....\$56.50  
1 set No. 582W Pipe for frame..... 15.75

Complete outfit No. 580W.....\$72.25

Approximate shipping weights: Two teeter ladders and frame fittings.....300 pounds  
Pipe.....200 pounds

The pipe for the frame consists of 3 pieces 3"x9' 0".

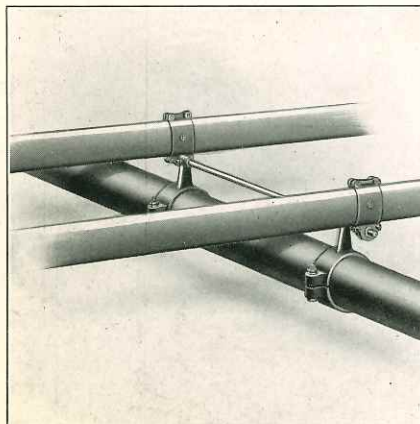
The frame fittings consist of 2 No. 21W; 2 No. 29W; 2 No. 32W.

No. 583W Single teeter ladder.....\$25.75

Approximate shipping weight.....100 pounds

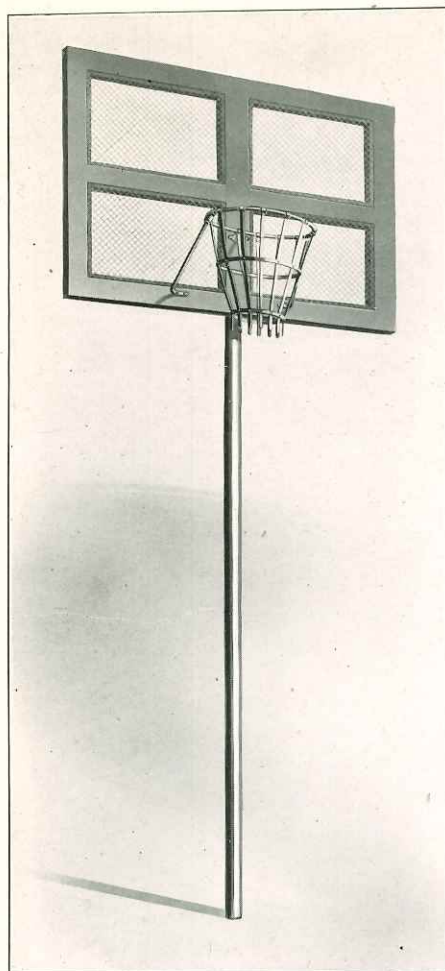
The teeter ladders are 11 feet long. They are made entirely of steel, hot galvanized. The sides are formed to an oval shape and special iron grips are forced into the ends to make possible a firm and comfortable grasp.

The ladders can be placed one on top of the pipe support and the other below, affording a 14 inch variation in height.



**S**AFETY is one of our construction ideals. Every piece of apparatus is scientifically built and tested for a 200 per cent factor of safety. In building substantially for safety we have attained another prime essential—durability. Medart Apparatus not only makes a long-lived investment for your playground, but does away with the annoyance of breakage and the consequent loss of that piece of apparatus while undergoing repairs. Medart Construction defies all assaults of the boys at play, and the worst exposure to weather. It is made for resistance. It is made for service under heavy strain. It is playground apparatus built not merely as we think it should be built, but as we know it should be built from experience and experiments conducted for many years.





## Basket Ball Outfit No. 590W

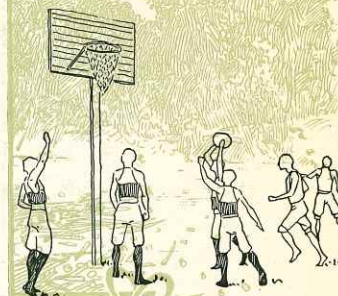
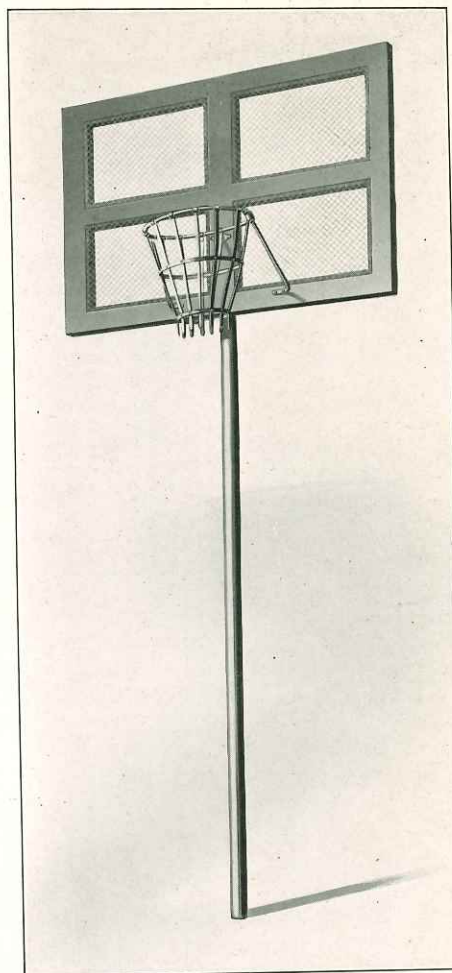
*For Boys and Girls*

A regulation basket ball court  
is 50 by 70 feet

The backstops are made of No. 16 gauge galvanized sheet steel, perforated so as to minimize resistance to the wind. These perforated steel sheets are put into a wooden frame 4 feet by 6 feet.

The basket ball goals are made of malleable iron, galvanized, and the baskets are made of leather.

The uprights are made of 3-inch galvanized pipe, 16 feet long, to go in concrete foundations to a depth of three feet.



The basket ball is made of imported English pebble grain leather, sewed by hand, with outside protected seams. It is furnished complete with pure gum rubber bladder.

The goals, backstops and ball are regulation in all details.

### THE COMPLETE OUTFIT CONSISTS OF

1 Pr. No. 591W Backstops.....	weight 400 pounds	\$47.00
1 Pr. No. 592W Goals.....	weight 25 pounds	6.75
1 Pr. No. 593W Pipe uprights.....	weight 260 pounds	20.50
1 No. 594W Ball.....		7.50

Complete outfit No. 590W.....\$81.75

### MEDICINE BALLS

No. 1590W 4 pounds.....	\$4.75
No. 1600W 6 pounds.....	6.50
No. 1610W 8 pounds.....	8.00
No. 1620W 11 pounds.....	9.50

### BEAN BAGS

No. 525W 7 inches square; weight ½ pound; per dozen.....	\$2.25
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### VOLLEY BALL

No. 539W Standards, per pair.....	\$10.50
No. 540W Net, 3x27 feet.....	1.75
No. 541W Volley Ball.....	4.00

### PLAYGROUND BASEBALLS

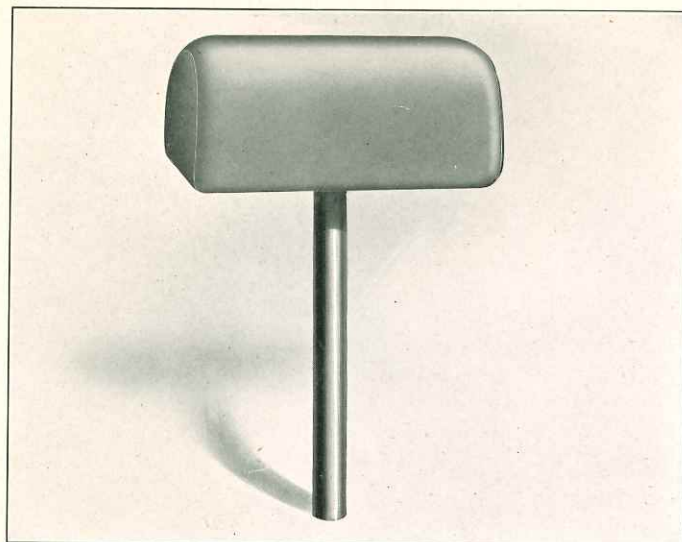
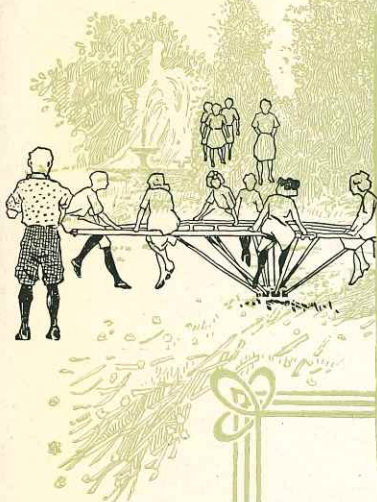
No. 163½W 14-inch ball.....	\$1.50
No. 164½W 17-inch ball.....	1.75
No. 165½W Bat.....	1.00







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### Vaulting Buck

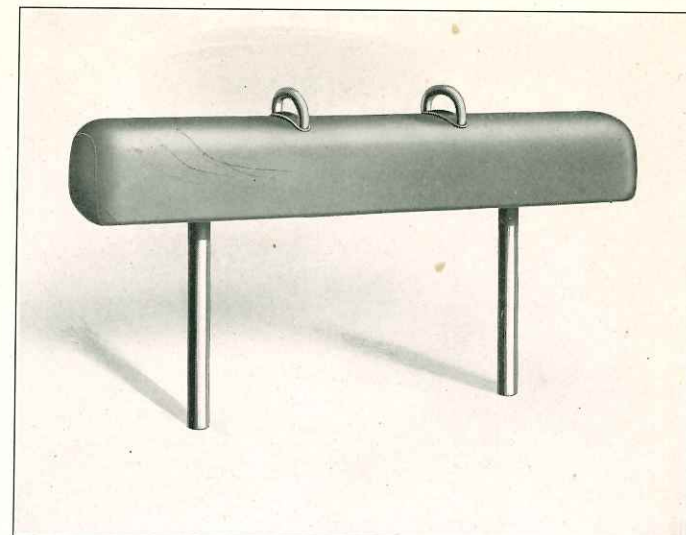
*For Boys*

The body is made of wood, padded and covered with heavy canvas. The canvas is well painted.

The support is made of one piece of 2-inch galvanized pipe, six feet long, to go into a concrete foundation to a depth of three feet.

No. 604W Complete with pipe support . . . . . \$17.00

Approximate shipping weight . . . . . 100 pounds



### Vaulting Horse

*For Boys*

The body is made of wood, padded and covered with heavy canvas. The canvas is well painted. Galvanized iron pommels are provided.

The supports are made of two pieces of 2-inch galvanized pipe, six feet long, to go into concrete foundations to a depth of three feet.

No. 605W Complete with pipe supports . . . . . \$34.00

Approximate shipping weight . . . . . 240 pounds

### Parallel Bar

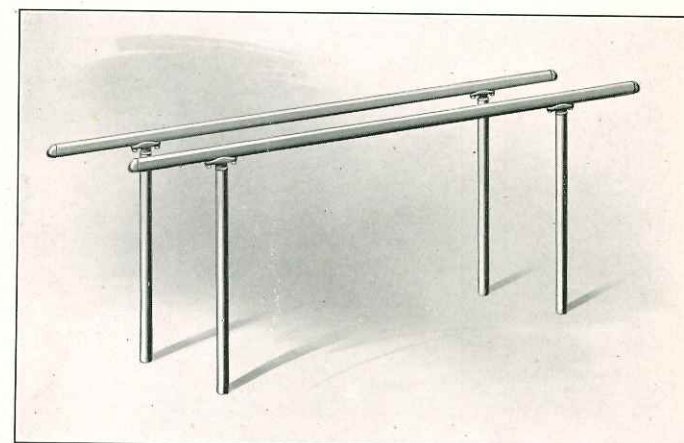
*For Boys*

All top bars are made of steel, cold drawn to an oval shape and galvanized. The top bars are 8 feet long.

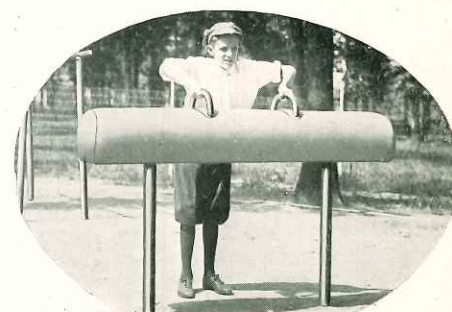
The uprights are made of 2-inch galvanized pipe, 7½ feet long, to go into concrete foundations to a depth of three feet.

No. 607W Complete with pipe uprights . . . . . \$25.00

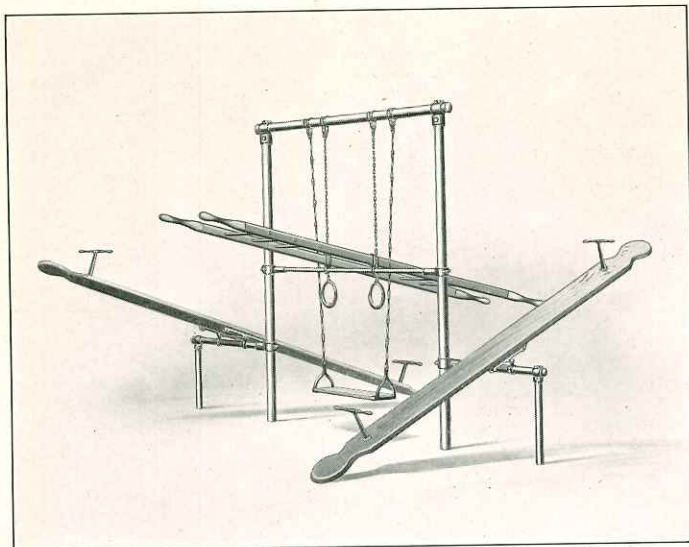
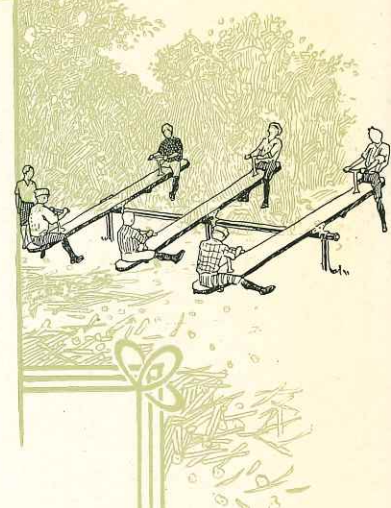
Approximate shipping weight . . . . . 220 pounds



**T**HE time when every public school yard will be a public playground for use during and after school hours is not long in the future. Why should this public property lie idle when it could be used for this great public purpose with no additional expense beyond the first cost of necessary equipment? Comparatively small equipments in convenient locations have proved advantageous over fewer larger playgrounds not so easily accessible. School yards are ideal in location to carry out this purpose.







### Combination Outfit No. 610W

*For Boys and Girls*

Height of frame 10 feet.

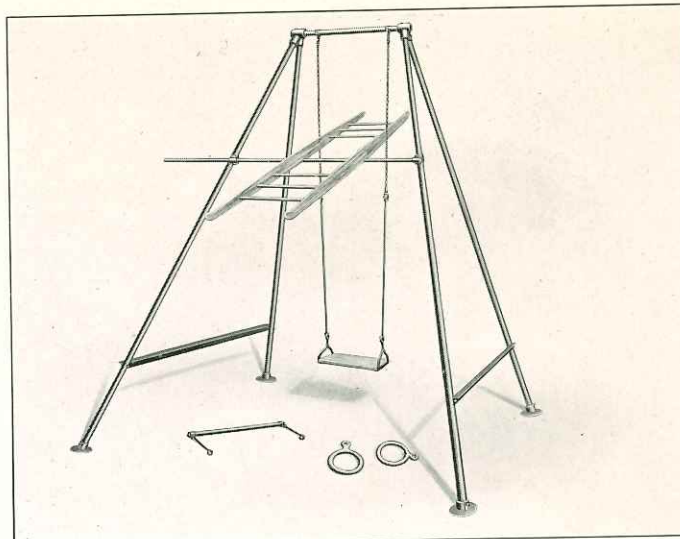
#### THE COMPLETE OUTFIT CONSISTS OF

1 set No. 611W Pipe for frame	250 pounds	\$19.00
1 set No. 612W Frame fittings	30 pounds	5.00
1 No. 613W Horizontal Bar	35 pounds	7.50
1 No. 614W Steel Teeter Ladder	120 pounds	25.75
1 Pr. No. 615W Flying Rings	35 pounds	10.00
1 No. 616W Swing	40 pounds	8.00
2 No. 617W See-saws	250 pounds	30.00

Complete outfit No. 610W.....\$105.25

The pipe for the frame consists of 1 piece 3"x7' 0"; 2 pieces 3"x13' 0".

The frame fittings consist of 2 No. 21W; 2 No. 29W; 2 No. 32W.



### Outdoor Home Gymnasium Outfit No. 599W

*For Boys and Girls*

Height of frame 10 feet.

#### THE COMPLETE OUTFIT CONSISTS OF

1 No. 595W Supporting Frame, complete	210 pounds	\$23.50
1 No. 596W Horizontal Bar	30 pounds	5.50
1 No. 597W Wooden Teeter Ladder	70 pounds	7.00
1 No. 598W Combination Swing, Flying Rings and Trapeze	50 pounds	9.00

Complete outfit No. 599W.....\$45.00

The frame occupies a ground space of 8x8 feet.

It stands firm without anchoring.



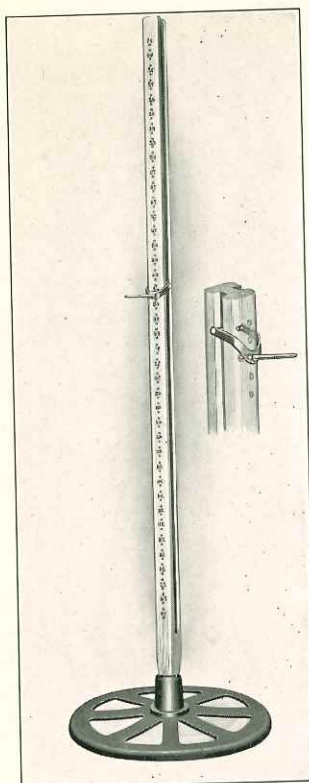
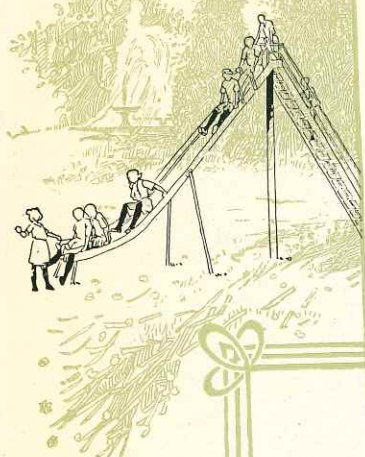
**T**HE question of why we list pipe for playground frames independent of the apparatus and frame fittings, comes up very often. The only object is to give the purchaser an opportunity to compare our prices for pipe with the prices of local dealers. Often, by reason of some special arrangement, the pipe can be purchased to better advantage in local markets. When this is done, we furnish a complete list of the pipe required for the different outfits and specifications to show how it should be prepared. In all instances we furnish complete plans and instructions showing just how the frames should be erected.







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SAINT LOUIS



No. 312W

### Portable Jumping Standards

Bases made of cast iron, galvanized. Uprights made of a solid piece of maple 8 feet high, with 1-inch graduations. Readily adjustable to any height.

No. 312W ..... \$14.00  
Approximate shipping weight . . . 100 pounds

### Stationary Jumping Standards

Uprights made of 1½-inch galvanized pipe 10 feet long, to be embedded in concrete foundations to a depth of 2 feet. Readily adjustable to any height by 1-inch graduations.

No. 601W ..... \$12.00  
Approximate shipping weight . . . 90 pounds

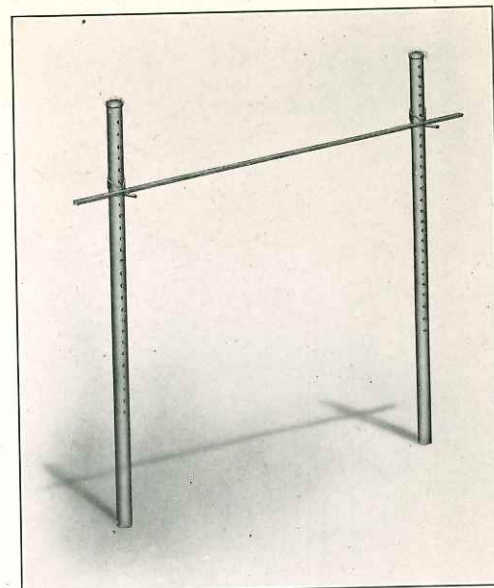
### Portable Vaulting Standards

Six feet high with mechanically adjusted extensions to 12-foot heights, by 1-inch graduations.

No. 287W ..... \$40.00  
Approximate shipping weight . . . 130 pounds

### Jump Stand Sticks

No. 184W Cord with shot bags ..... \$1.25  
No. 186W Bamboo Sticks, per dozen ..... 2.25



### Stationary Vaulting Standards

Uprights made of 1½-inch galvanized pipe 14 feet long, to go in concrete foundations to a depth of 2 feet. Steps attached to uprights facilitate high adjustments.

No. 602W ..... \$20.00  
Approximate shipping weight, 130 pounds



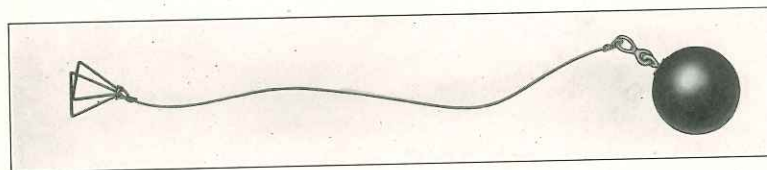
### Putting Shots

No. 304W 8 pounds, iron. . . \$1.00  
No. 205W 12 pounds, iron. . . 1.25  
No. 206W 12 pounds, lead. . . 2.25  
No. 207W 16 pounds, iron. . . 1.50  
No. 208W 16 pounds, lead. . . 3.00



### Vaulting Poles

No. 824W 12-foot bamboo. . . \$6.50  
No. 825W 14-foot bamboo. . . 6.50  
No. 826W 16-foot bamboo. . . 6.50  
No. 188W 10-foot spruce. . . 4.50  
No. 189W 12-foot spruce. . . 5.50  
No. 190W 14-foot spruce. . . 6.50  
No. 191W 16-foot spruce. . . 6.50



### Throwing Hammers

No. 194W 12 pounds, iron. . . \$2.75  
No. 195W 12 pounds, lead. . . 3.50  
No. 196W 16 pounds, iron. . . 3.00  
No. 197W 16 pounds, lead. . . 4.00

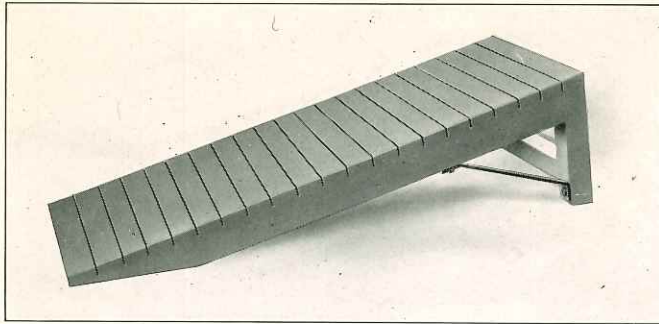


### Discus

No. 172W Malleable iron. . . \$2.00  
No. 173W Official. . . 4.00



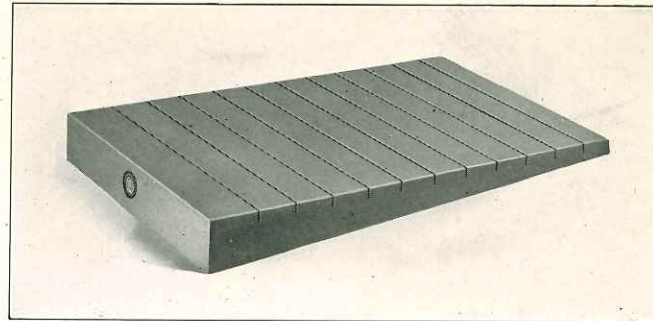




### Inclined Plank

Used for starting on traveling rings.

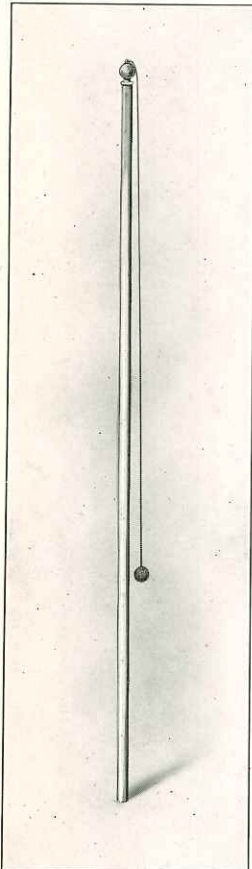
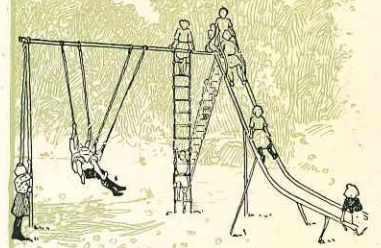
No. 608W.....\$9.50  
Approximate shipping weight.....125 pounds



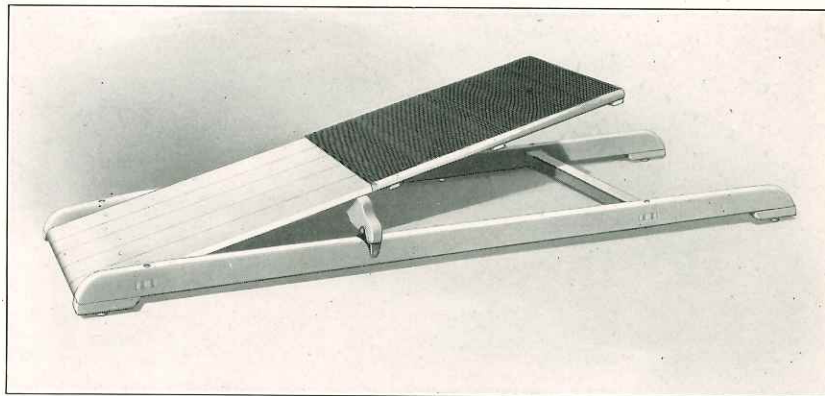
### Jumping Boards

For use with horse, buck and parallel bar.

No. 609W.....\$3.50  
Approximate shipping weight.....50 pounds



No. 720W



### Spring Board

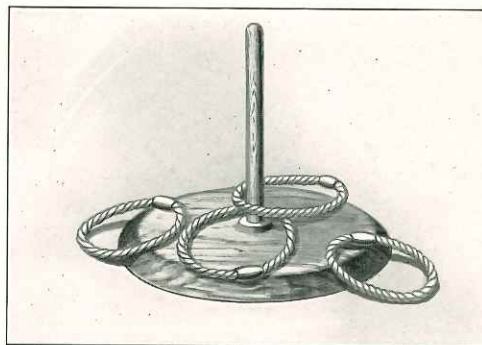
This is the original Medart spring board, invented by Mr. Fred Medart in 1881. The end of the board is covered with cork carpet.

No. 35W.....\$32.00  
Approximate shipping weight.....125 pounds

### Tether Tennis Outfit No. 720W

No. 721W Poles, each...\$12.00  
No. 722W Balls with cord  
each.....1.50  
No. 723W Marking ropes  
set.....1.50  
No. 724W Fibre paddles,  
dozen.....1.50

Tether Tennis poles are made of 2-inch galvanized pipe, 13 feet long. They go into the ground to a depth of three feet.

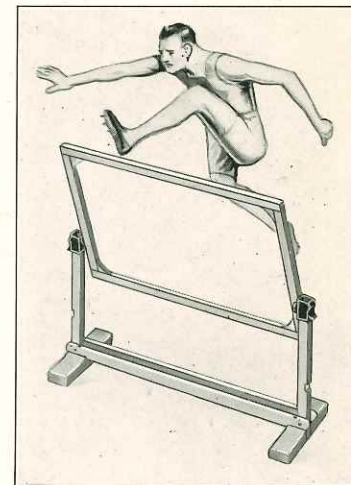


Ring Toss Set

### Quoits

Made of cast iron, japanned

No. 176W 1 pound each, per set of four.....\$1.00  
No. 177W 2 1/4 pounds each, per set of four.....1.50  
No. 178W 3 1/4 pounds each, per set of four.....1.75  
No. 179W 5 pounds each, per set of four.....2.50



### Adjustable Hurdles

No. 192W.....\$5.25

### Ring Toss Sets

The rings are made of rope; the stand of wood.

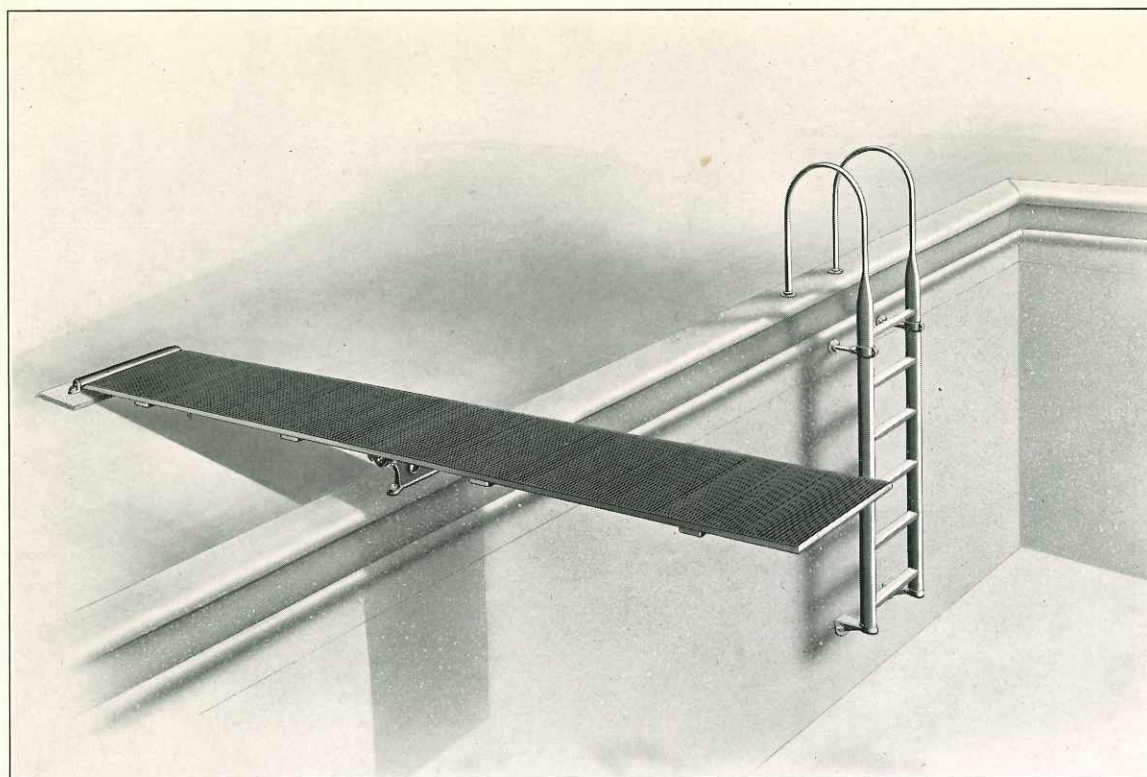
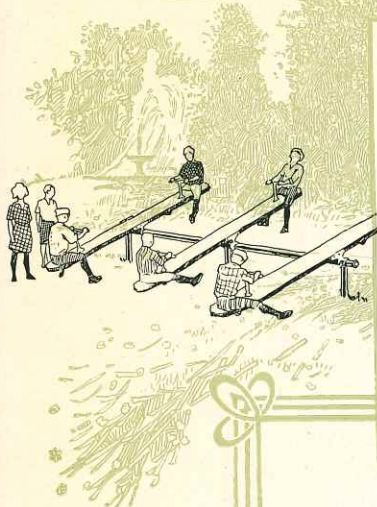
No. 610W Rope Rings, per set  
of four.....\$1.50  
No. 611W Stands, each.....1.00







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## Swimming Pool Spring Boards

The board is made of hickory covered with corrugated rubber matting. It is  $1\frac{1}{2}$  inches thick, 24 inches wide and 12 feet long. It is furnished complete with anchor bolts and pedestal. The pedestal is designed to allow for play in the board. The board is made to swing up out of the way when not in use.

No. 273W Spring board with galvanized iron pedestal and fittings.....\$40.00

No. 274W Spring board with brass pedestal and fittings..... 80.00

Approximate shipping weight.....300 pounds

## Swimming Pool Ladder

The ladder is 18 inches wide and 6 feet long with arched handles above. It is made of steel, hot galvanized after being assembled. The treads are flat and corrugated. They are oxygen-acetylene welded to the ladder sides.

No. 282W.....\$30.00

Approximate shipping weight.....125 pounds



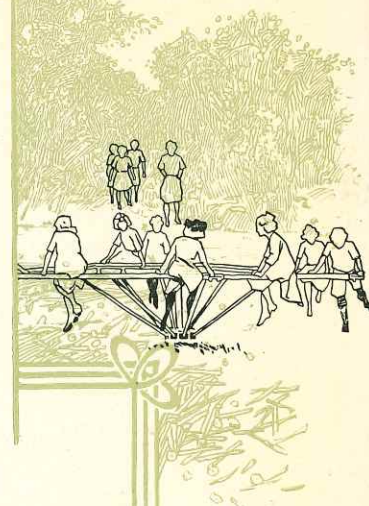
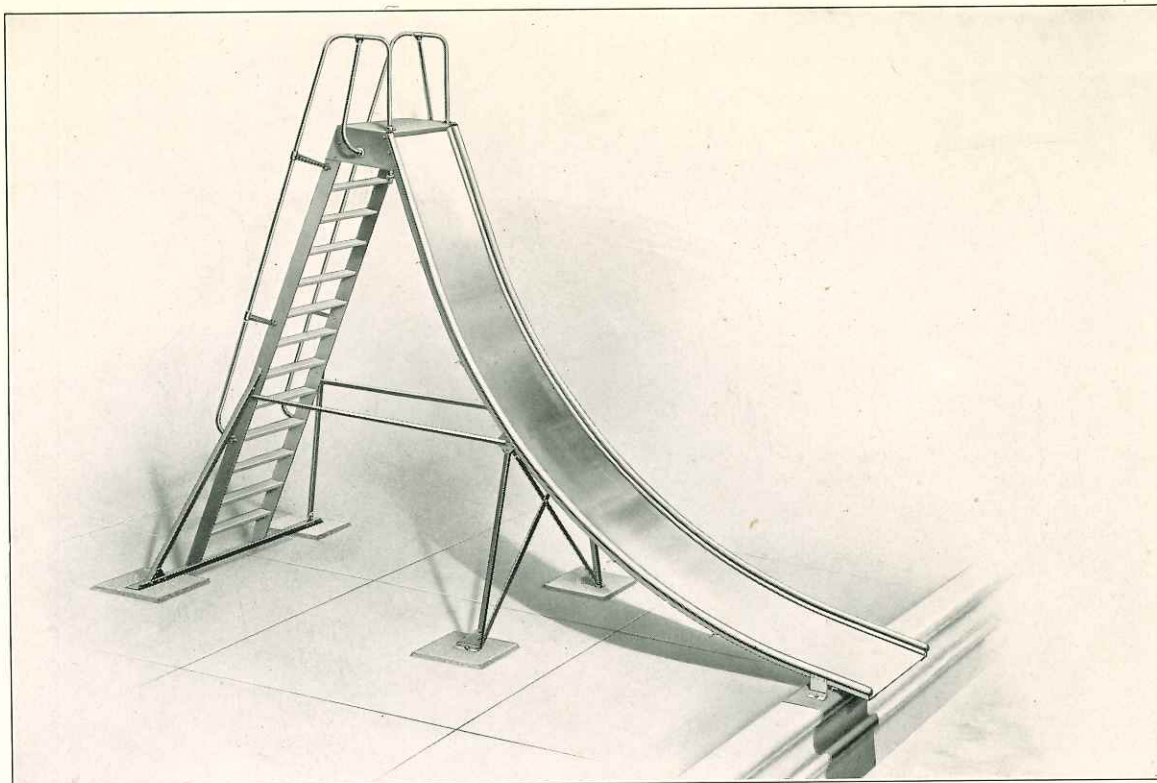
**T**HE swimming pool is a place to exercise and not to bathe. Showers must be provided for bathing and steel lockers are required for dressing rooms.

Outdoor swimming pools are ideal. Light and fresh air keep the water pure and clean much longer than is the case in poorly lighted and ventilated indoor pools.

An overflow drain should extend around the pool and ten per cent of the water drained off each day by adding fresh water at the bottom. The entire contents of the pool should be renewed once a week.







## Swimming Pool Slides

These slides are made in two sizes. No. 280W is 16 feet long and 10 feet high. No. 281W is 20 feet long and 14 feet high.

The slide is substantially built of steel, hot galvanized, with copper covering for the sliding board. The steps are made of steel, hot galvanized.

A perforated pipe with union for attaching to water supply is provided so a small stream of water can be kept flowing down the slide when in use.

No. 280W.....	\$300.00
No. 281W.....	350.00
Approximate shipping weights: No. 280W.....	650 pounds
No. 281W.....	800 pounds



**T**HE art of swimming is important as a preventive of loss of life and it affords a most enjoyable and beneficial exercise. Municipal swimming pools, where swimming is taught and the lives of bathers safeguarded, are supplanting the "old swimming hole."

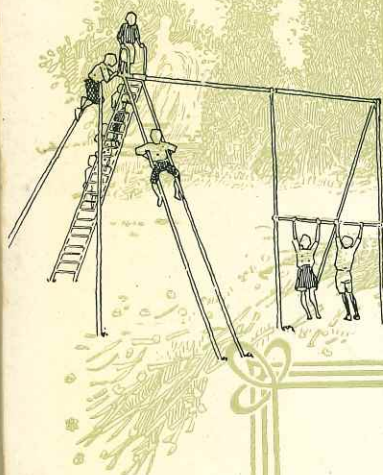
A swimming pool is expensive in the first cost but accommodates a large number of persons at a comparatively small cost per capita.







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## Price List for Individual Pieces of Apparatus Used with Gymnastic Outfits For Frames 14 Feet High

No. 701W	Long Slide.....	weight 700 pounds	\$72.00	No. 714W	Climbing Pole.....	weight 35 pounds	\$ 7.50
No. 702W	L. S. Guard Rails.....	weight 50 pounds	12.50	No. 716W	Flexible Ladder.....	weight 75 pounds	15.50
No. 706W	Inclined Ladder.....	weight 250 pounds	41.25	No. 717W	Flying Rings.....	weight 35 pounds	10.00
No. 707W	Vertical Ladder.....	weight 200 pounds	35.00	No. 718W	Traveling Ring.....	weight 17 pounds	5.00
No. 708W	Inclined Sliding Poles.....	weight 200 pounds	20.00	No. 583W	Teeter Ladder.....	weight 110 pounds	25.75
No. 709W	Vertical Sliding Pole.....	weight 75 pounds	7.50	No. 53½W	Wooden Teeter Ladder, weight	75 pounds	15.00
No. 710W	A. H. Guard Rails.....	weight 40 pounds	9.00	No. 720W	Trapeze.....	weight 25 pounds	7.00
No. 711W	I. H. Guard Rails.....	weight 20 pounds	6.75	No. 726W	Spiral Slide.....	weight 1100 pounds	250.00
No. 712W	Horizontal Bar.....	weight 40 pounds	7.50	No. 727W	S. S. Guard Rails.....	weight 40 pounds	10.00
	For 3-inch pipe uprights.			No. 488W	Swing for 12-foot frame, weight	40 pounds	9.00
No. 712½W	Horizontal Bar.....	weight 40 pounds	7.50	No. 489W	Swing for 14-foot frame, weight	40 pounds	10.00
	For 2-inch pipe uprights.			No. 719W	Revolving Parallels.....	weight 550 pounds	100.00
No. 493W	See-saw Board.....	weight 110 pounds	9.75				

## General Specifications of Individual Pieces of Apparatus Used with Gymnastic Outfits

### No. 701W Long Slide

The overall length of the slide and retarding board is 30 feet. The retarding board is set at an angle to retard the speed of the child at the end of the slide.

Heavy malleable iron fittings are provided for attachment of L. S. guard rails by means of which the slide is attached to the pipe frame and to the ladder.

The lower part of the slide is supported by six braces made of 1½-inch galvanized pipe. These braces are furnished with cast iron anchors so the slide can be easily taken down for the winter months.

The bottom and sides of the slide are made of polished rock maple.

All iron parts are hot galvanized.

### No. 702W L. S. Guard Rails

These guard rails form the connection between the long slide and the ladder. They are made of galvanized pipe bent to shape and correctly braced. All parts are hot galvanized after being assembled.

### No. 706W Inclined Ladder

The ladder is 18 feet long so as to bring it out 11 feet 6 inches from the pipe frame. It is made of pressed steel with sides 4½ inches wide rolled at top and bottom. The treads are 3 inches wide and spaced 12 inches apart. They are oxygen-acetylene welded to the ladder sides. The treads are corrugated to prevent slipping.

The ladders are provided with ground anchors to permit of easy removal.

All parts are hot galvanized after being assembled.

### No. 707W Vertical Ladder

The vertical ladder is identical to the inclined ladder except that it is but 14 feet in length so as to stand 4 feet out of perpendicular.

### No. 708W Inclined Sliding Poles

The sliding poles are made of 2-inch galvanized pipe 19 feet long with malleable iron fittings at top to connect to the A. H. guard rails and ground anchors at the bottom to permit of easy removal. All parts are hot galvanized and the poles are polished.

### No. 709W Vertical Sliding Pole

The vertical sliding pole is made of 2-inch galvanized pipe 15 feet long. It is provided with a ground anchor to permit of easy removal. All parts are hot galvanized and the pole is polished.

The pole is attached to the frame by means of No. 711W I. H. guard rails.

### No. 710W A. H. Guard Rails

These guard rails form the connection for sliding poles and inclined or vertical ladders. They are made of ½-inch pipe bent to shape and provided with braces. They are furnished complete with malleable iron fittings to attach to ladder and poles. All parts are hot galvanized after being assembled.

### No. 711W I. H. Guard Rails

These guard rails form the connection for vertical sliding poles and vertical or inclined ladders. They are made of ½-inch pipe bent to shape. They are furnished complete with malleable iron fittings to attach to ladder and poles. All parts are hot galvanized after being assembled.

### No. 712W Horizontal Bar

All horizontal bars are made of crucible spring steel 1½ inches diameter. They are lathe turned, hot galvanized and polished. They are provided with malleable iron bar ends which clamp tight to the pipe uprights so as to overcome unauthorized adjustment. They can be adjusted by means of a wrench.

Continued on following page.







## General Specifications of Individual Pieces of Apparatus Used with Gymnastic Outfits

*Continued from preceding page*

### No. 714W Climbing Pole

Climbing poles are made of 1½-inch seamless steel tubing. They are furnished complete with ground anchors and No. 34W fittings for attaching to pipe frame. All parts are hot galvanized after being assembled.

### No. 716W Flexible Ladder

The ladder is made of drop forged links with rungs of steel tubing. Ground anchors are provided and No. 34W fittings are furnished for attaching ladders to pipe frame. All parts are hot galvanized after being assembled.

### No. 717W Flying Rings

The rings are 8 inches diameter made of aluminum tapered to afford a comfortable grip. The supports are made of galvanized safety chain with a tensile strength of 2,500 pounds. The rings are furnished complete with No. 35W roller bearing fittings by means of which they are attached to the pipe frame.

### No. 718W Traveling Rings

Traveling rings are identical to flying rings except that No. 36W roller bearing fittings are used so as to provide for a swing in opposite direction.

### No. 583W Teeter Ladder

The ladder is 11 feet long. It is made of 2½-inch steel tubing rolled to an oval shape. It has three rungs at either end to hold the ladder sides together. Malleable iron handles of special shape to afford a comfortable grip are provided for the ends of the ladder.

The fulcrum consists of malleable iron fittings rocking on a hardened steel rod ¾-inch diameter. All parts are hot galvanized after being assembled.

### No. 53½W Teeter Ladder

It is sometimes desirable to use wooden teeter ladders on account of their lighter weight and lower cost. They are 11 feet long, made of hard wood with metal fulcrum fittings.

### No. 720W Trapeze

The trapeze bar is made of 1-inch diameter steel 30 inches long. The supports are made of galvanized safety chain with a tensile strength of 2,500 pounds. No. 35W roller bearing fittings are provided for attaching the trapeze to the pipe frame. All parts are hot galvanized after being assembled.

### No. 724W Spiral Slide

The sliding board has an overall length of 33 feet.

The bottom and sides of the slide are made of polished rock maple.

The slide is bent to a 7-foot circle and makes 1½ turns around a central upright support. It is hung from this upright support by means of six heavy steel castings.

The upper end of the slide is provided with malleable iron fittings for attachment of S. S. guard rails.

The slide can be detached from the frame in the winter months. All iron parts are hot galvanized after being assembled.

### No. 725W S. S. Guard Rails

These guard rails form the connection for the spiral slide and inclined ladder. They are made of ½-inch steel pipe bent to shape and provided with necessary braces. All parts are hot galvanized after being assembled.

### No. 719W Revolving Parallels

This piece of apparatus, when used in connection with gymnastic outfits, is identical to revolving parallels described on page 25, except that one of the pipe uprights of the frame for the gymnastic outfit is used in place of the pipe shaft furnished with Outfit No. 570W.

### No. 488W Swing

The seat is made of hard pine with malleable iron hangers which elevate the point of attachment to the supports 8½ inches above the seat so as to overcome tilting of seat.

The supports are made of drop forged steel links ¾ inch diameter at ends and ½ inch diameter at center. This tapered link affords a comfortable grip.

No. 35W roller bearing fittings are provided for attachment to pipe frame. All parts are hot galvanized.

### No. 498W Self-propelled Swing

The swing is propelled by pulling on handles which work over a special fitting 22 inches in length attached to the pipe frame. In the operation of this swing the propelling ropes are crossed. The child sitting at the right-hand side of the swing holds the rope on the left-hand side and vice versa.

The basket is made of pressed steel with angle iron frame. The seat, back-rest and floor are made of wood. The supports are of galvanized safety chain with No. 35W roller bearing fittings for attachment to frame. The propelling ropes are made of galvanized steel cable with wooden handles.

All iron parts are hot galvanized.

### No. 535W Chair Swing

The chairs are made of wood. They are 12 inches wide, providing a safe, comfortable seat for a small child. The supports are made of ½-inch Manila rope attached to the frame by means of improved Rocker Fitting No. 40W.

The swings can be readily removed from the frame but accidental detachment is impossible.

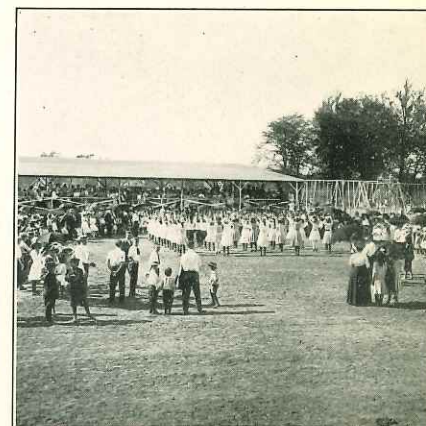
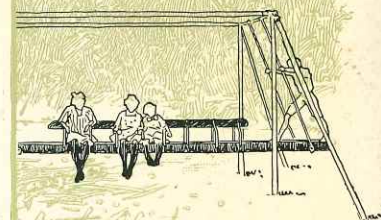
All iron parts are hot galvanized.

### No. 545W Baby Basket Swing

The baskets are made of heavy brown duck sewed over light hickory arms. They are reinforced front and back with steel wire. The supports are made of ½-inch Manila rope attached to the frame by means of improved Rocker Fittings No. 40W.

The swings can be readily removed from the frame but accidental detachment is impossible.

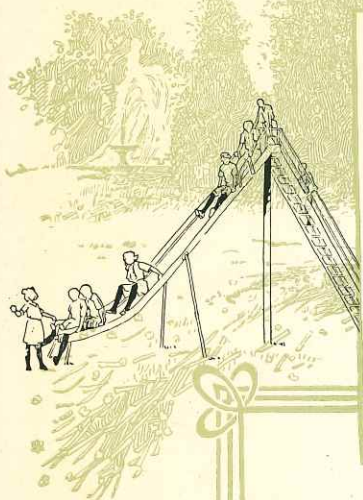
All iron parts are hot galvanized.







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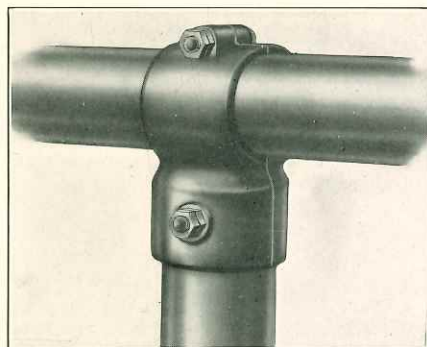


## Frame Fittings

All frame fittings are made of *malleable* iron and hot galvanized. Malleable iron is cast iron which has undergone an annealing process to remove the carbon and is in this way freed from the brittleness of cast iron. On account of its brittleness cast iron will break easily where malleable iron will stretch or bend without breaking.

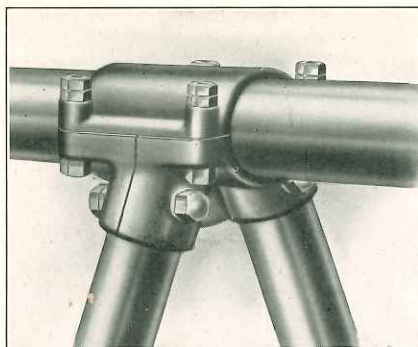
The only exception to the above specification is in the base flanges which are made of cast iron and painted. Galvanized malleable would be an unnecessary extravagance in this fitting.

All fittings are made to clamp over the pipe and they are bolted together and through the pipe. All bolts have lock nuts.



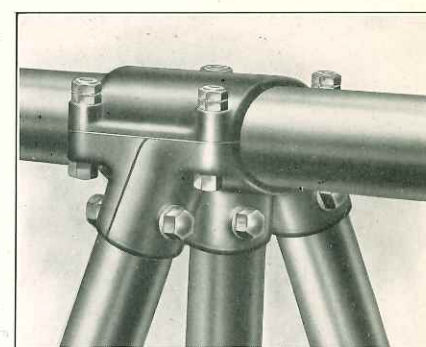
**Tee Fitting**

No. 21W 3" top pipe and 3" upright. \$1.25  
No. 22W 3" top pipe and 2" upright. 1.00  
No. 23W 2" top pipe and 3" upright. 1.00



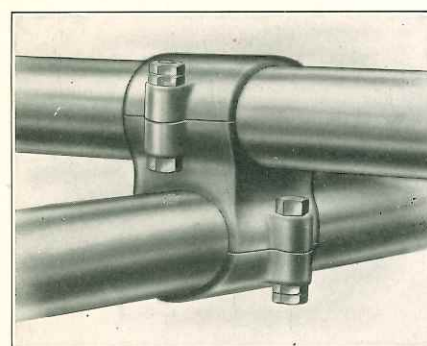
**Two-way Fitting**

No. 24W 3" top pipe and two 2" uprights. \$2.25



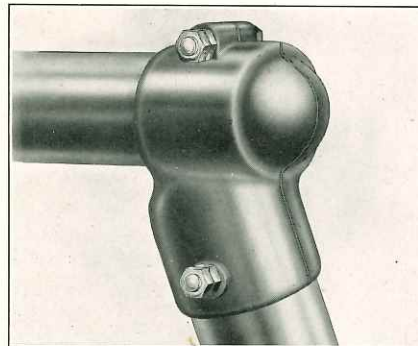
**Three-way Fitting**

No. 25W 3" top pipe and three 2" uprights. \$2.75  
No. 26W 3" top pipe, one 3" upright and two 2" braces. 3.00



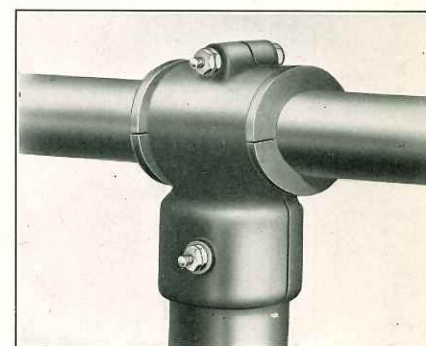
**Cross Fitting**

No. 27W Two 3" top pipes. \$2.00



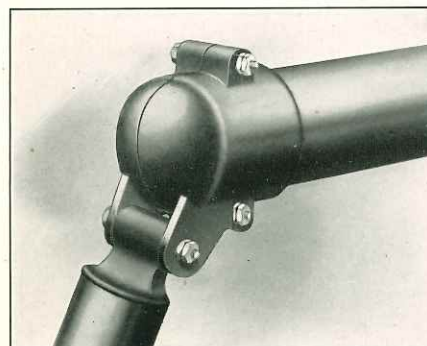
**End Brace Fitting**

No. 28W 3" top pipe and 2" brace. \$1.25



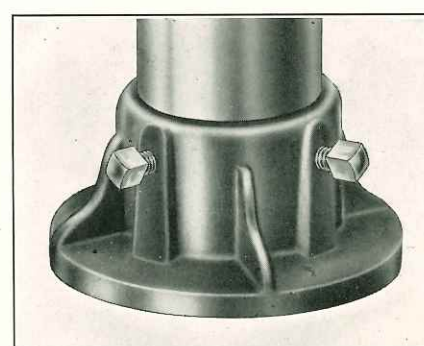
**Bushing**

No. 42W For reducing 3" fitting for 2" pipe. \$1.25



**Hinged Brace**

No. 41W 3" top pipe and 2" brace. \$1.25



**Base Flange**

No. 31W 2".....\$0.75  
No. 32W 3".....1.00  
No. 33W 3½".....1.75







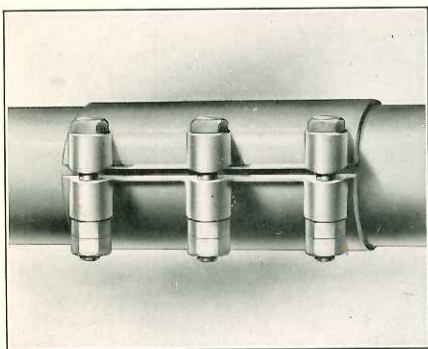
## Frame Fittings

The frame fittings represent an important phase of our playground equipment and no other feature has more greatly taxed the capacity of our Engineering Department.

The principle of these fittings overcomes threading the pipe for the frame, making it possible for inexperienced workmen to erect our outfits without difficulty.

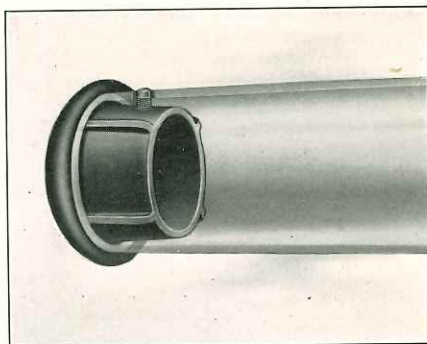
All fittings are designed for a 200 per cent factor of safety and actually tested in the factory before assembling.

Whenever desired, special frames embodying specified apparatus features will be designed and the frame fittings and pipe required will be carefully detailed in our plans.



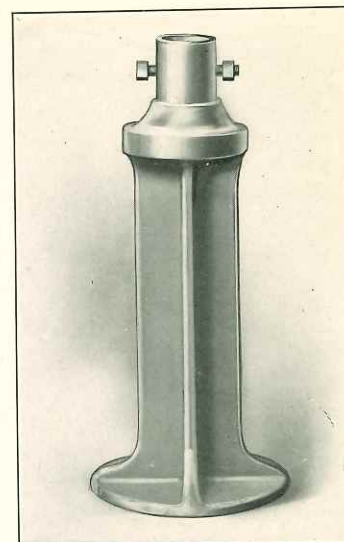
**Coupling**

No. 37W 3".....\$1.75



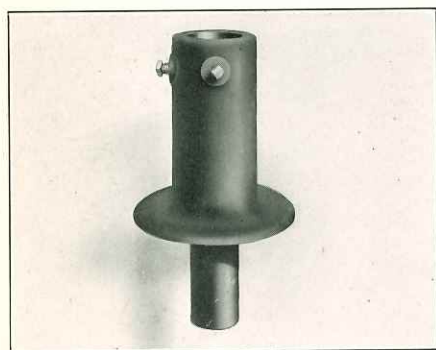
**Cap**

No. 29W 3".....\$0.50  
No. 30W 2"......50



**Ground Anchor**

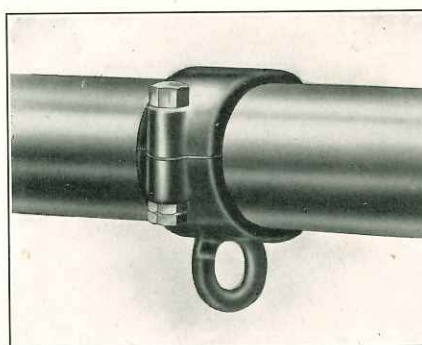
For ladders and sliding pole.  
No. 38W.....\$1.75



**Ground Anchor**

For long slide.

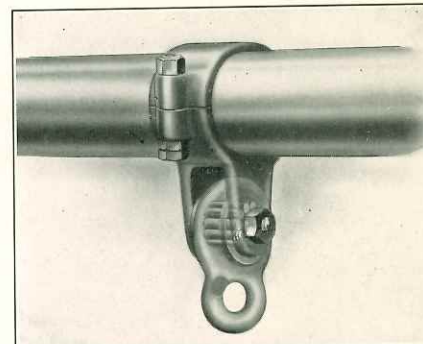
No. 39W.....\$1.75



**Eye Fitting**

For Climbing pole.

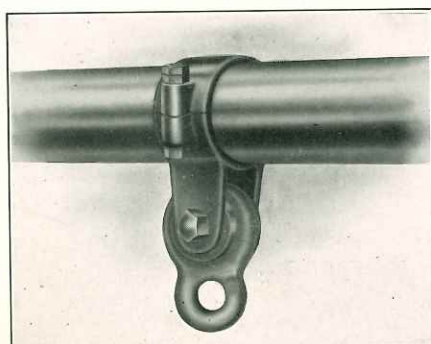
No. 34W.....\$0.75



**Roller Bearing Fitting**

For swings and flying rings

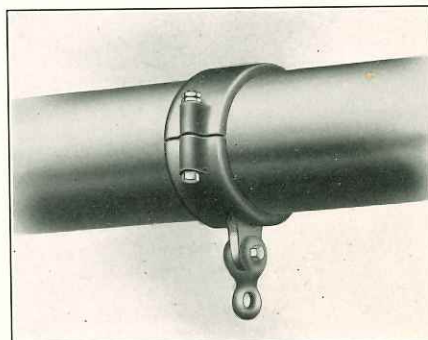
No. 35W.....\$1.50



**Roller Bearing Fitting**

For traveling rings.

No. 36W.....\$1.50



**Rocker Fitting**

For chair and basket swings.

No. 40W.....\$1.00







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## Suggestions for Playground Equipment

*Independent Outfits Provided for Boys, Girls  
and Small Children*

### Boys

Gymnastic Outfit	No. 390W	\$149.00
Traveling Ring Outfit	No. 550W	109.50
Swing Outfit	No. 470W	122.75
Giant Stride	No. 503W	45.00
Revolving Parallels	No. 570W	105.00
Portable Slide	No. 513W	75.00
Horizontal Ladder	No. 569W	67.00
Teeter Ladder Outfit	No. 580W	72.25
Basket Ball Outfit	No. 590W	81.75
Vaulting Buck	No. 604W	17.00
Vaulting Horse	No. 605W	34.00
Parallel Bar	No. 607W	25.00
Jumping Standards	No. 312W	14.00
Vaulting Standards	No. 602W	20.00
Jumping Board	No. 609W	3.50
Inclined Plank	No. 608W	9.50

### Girls

Gymnastic Outfit	No. 800W	\$163.75
Swing Outfit	No. 495W	210.00
See-saw Outfit	No. 490W	57.50
Giant Stride	No. 503W	45.00
Portable Spiral Slide	No. 514W	220.00
Merry-go-Round	No. 572W	212.00
Basket Ball Outfit	No. 590W	81.75

### Small Children

Chair Swing Outfit	No. 520W	52.00
Basket Swing Outfit	No. 540W	63.50
See-saw Outfit	No. 490W	57.50
Portable Slide	No. 511W	17.25

Total list price.....\$2130.50

*Outfit for Combined Use of Boys, Girls  
and Small Children*

Gymnastic Outfit	No. 850W	\$1070.00
Swing Outfit	No. 470W	122.75
Swing Outfit	No. 495W	210.00
Chair Swing Outfit	No. 520W	52.00
Basket Swing Outfit	No. 540W	63.50
See-saw Outfit (2)	No. 490W	115.00
Giant Strides (2)	No. 503W	90.00
Revolving Platform	No. 571W	170.00
Portable Slide	No. 510W	50.00
Portable Spiral Slide	No. 514W	220.00
Horizontal Ladder	No. 560W	67.00
Merry-go-Round	No. 572W	212.00
Rock-a-bye Swing	No. 630W	121.00
Basket Ball Outfit	No. 590W	81.75
Vaulting Buck	No. 604W	17.00
Vaulting Horse	No. 605W	34.00
Parallel Bar	No. 607W	25.00
Jumping Standards	No. 312W	14.00
Vaulting Standards	No. 602W	20.00
Jumping Board	No. 609W	3.50
Inclined Plank	No. 608W	9.50
Tether Tennis Outfit	No. 720W	15.00

Total list price.....\$2783.00



ASK anyone who has had any experience with playground equipment and you will appreciate the more our plea for greater quality. But it is as inconsistent to expect the greatest quality in playground apparatus at the lowest price as it is to expect the best built automobile at the lowest price. In either instance you will get only what you pay for. If you have followed us through this catalog it is not necessary to reiterate that Medart Apparatus contains numerous special advantages of construction. About the only point to decide between selection of the best apparatus and the cheapest is whether the life or limb of a single child is worth a trifling difference in first cost. And from every other point of service this better constructed apparatus will prove cheapest in the end.





## General Explanation

### Pipe for Frames

We list pipe for frames separate from apparatus and frame fittings as many purchasers prefer to supply the pipe themselves.

Prices for pipe cover only the pipe—no fittings of any kind.

When we furnish the pipe it is cut to correct length, drilled for bolts where necessary and marked to correspond with marks on working plans.

All pipe is standard galvanized. The size of the pipe specified represents the diameter on the inside; 3-inch standard pipe measures approximately  $3\frac{1}{2}$  inches outside diameter.

When the purchaser supplies the pipe, we send a list of the pipe required giving the exact lengths and sizes together with complete specifications covering all preparations necessary.

Where pipe is specified over 20 feet in length, it is intended to couple two or more pieces together.

### Frame Fittings

All standard fittings are fully illustrated and described on pages 44 and 45.

The frame fittings are listed as part of the apparatus and are used even when the purchaser supplies the pipe for the frame as these fittings very greatly facilitate erection of frames.

In every instance the fittings specified include everything required to put the frame together and erect it ready for use.

The flanges mentioned as part of the fittings are intended to provide a base for the pipes which go into the ground. Couplings are furnished for coupling two or more pieces of pipe together. Caps are intended to close up the exposed ends of pipe.

All fittings are made of malleable iron, hot galvanized and are practically indestructible. These fittings are not threaded but clamp over the pipe and are held together with bolts and nuts. The bolts and nuts are also galvanized.

### Height of Frames

All frames for standard gymnastic outfits are 14 feet high. We never recommend higher frames. Swing frames and frames for some other outfits are of lesser height, all according to practice which has been found most satisfactory and practicable.

### Finish of Apparatus

All iron parts of apparatus are thoroughly galvanized. Galvanizing guards against rust and deterioration. There are only a few wooden parts. These are made of selected material, well painted or varnished as may be best to suit the uses and requirements.

All apparatus is furnished with fittings as required to attach it to the pipe frame. These fittings are always made for 3-inch standard pipe.

### Plans and Instructions for Erection

On all orders, whether we supply the pipe or not, we furnish a blueprint working plan of each frame. These plans show the correct spacing for uprights, their height above and below the ground, the size of concrete foundations and the arrangement of all apparatus.

Instruction sheets are furnished with each order. These explain how to mix the concrete, erect the frames and attach the apparatus. These instructions facilitate this work and our outfits can be erected by ordinary mechanics without encountering the slightest difficulty.

### Price for Erection

We always have a large force of erectors working in nearly all parts of the country and we will be glad to quote playground equipment erected ready for use whenever wanted.

### Transportation

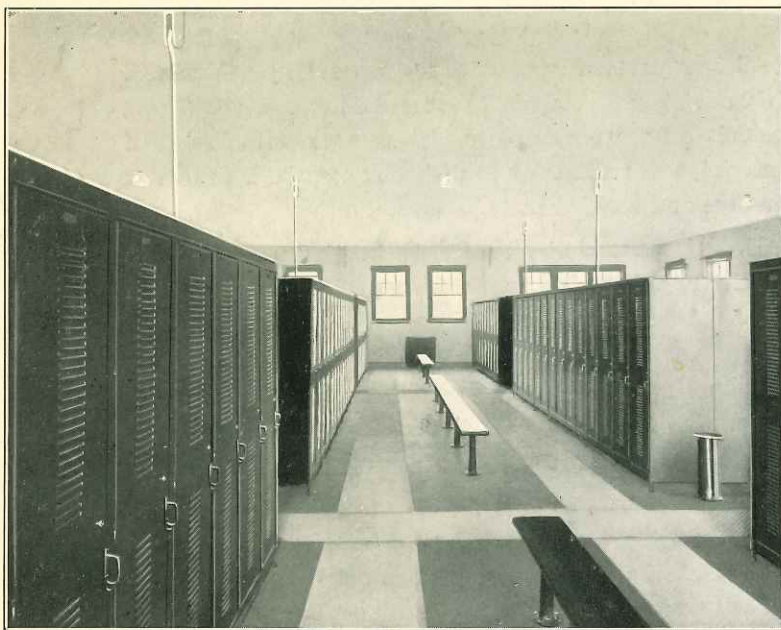
The shipping weights given in this catalog have been carefully calculated, but are likely to vary slightly and for that reason are not guaranteed.

Playground equipment takes different freight rates by different classifications, but we will estimate the cost of transportation wherever such information is wanted. Pipe for frames invariably ships at lower rates than apparatus and frame fittings.





# MEDART STEEL LOCKERS



**E**MBODY several exclusive features which make them particularly suited for School and Institutional use.

They are built of heavy steel sheets, made rust-proof with a two coat-enamel finish and provided with a three-point locking device, providing absolute security.

Our Catalog A3 covers the subject of Steel Lockers thoroughly. Send for it if interested in this equipment.

**FRED MEDART  
MANUFACTURING CO.**

# INDOOR GYMNASIUM APPARATUS

**O**UR Catalog K covers a complete line of Gymnastic Apparatus for indoor use. Copies of it will be sent to anyone interested in gymnasium work.

Our book, "The Planning of a Gymnasium," is a recognized authority on gymnasium construction and equipment. It touches upon this broad subject in the manner necessary to give persons contemplating or building gymnasiums precisely the information they need to formulate their plans.

**FRED MEDART  
MANUFACTURING CO.**









